

PP. 2465

5322

568

17 min. above the Horizon.

... of this country

Omura's Black scabbard scorpion

CAMBRIDGE,

Phenacites k.

The vulgar Notes and Moveable Feasts for this Year 1681. in both Accounts, viz.

Julian or English.

Gregorian or Foreign.

	10	The Golden Number		10
	10	The Cycle of the Sun		10
	20	The Epact		10
	15	The Dominical Letter		C
Feb.	13	Shrove-sunday	Febr.	16
April	3	Easter-day	April	6
May	12	Ascension-day	May	15
May	22	Whitsunday	May	25
May	29	Trinity-sunday	June	1
Novem.	27	Advent-sunday	Novem.	30

The Anatomy of Mans body.



✓ Aries	Head and Face	♎ Libra	Reins and Loyns
✕ Taurus	Neck & Throat	♏ Scorpio	Secret members
♊ Gemini	Arms and Shoul.	♐ Sagittarius	the Thighs
♋ Cancer	Breast & Stom.	♑ Capricorn	the Knees
♌ Leo	Heart and Back	♒ Aquarius	the Legs
♍ Virgo	Bowels and Belly	♓ Pisces	the Feet

Smallen 1681.

The Terms with their Returns.

Hilary Term begins Janu- ary 24, and ends February 12, and hath 4 returns, viz.	{	Octab. Hilary. Jan. 20
		Quind. Hilary. Jan. 27
		Craft. Purif. Febr. 3
		Octab. Purif. Febr. 10

Easter Term begins April 20 ends May 16 and hath 5 returns, viz.	{	Quind. Pasch. April 18
		Tres Pasch. April 26
		Mens. Pasch. May 2
		Quind. Pasch. May 9
		Craft. Alcen. May 13

Trinity Term begins June 9 and ends June 22, and hath 4 returns, viz.	{	Craft. Trin. May 30
		Octab. Trin. June 6
		Quind. Trin. June 13
		Tres Trin. June 20

Michaelmas Term begins October 24 ends November 18 and hath 6 returns, viz.	{	Tres Mich. Octob. 20
		Mens. Mich. Octob. 27
		Craft. anim. Nov. 3
		Craft. Mart. Nov. 12
		Octab. Mart. Nov. 18
		Quind. Marr. Nov. 25

Notethat the Exchequer openeth 8 days before any Term begins, except the Term of Trinity, in which it openeth but 4 days before.

Notethat the splendid Planet *Venus*, will this year be our bright Evening Star, from the beginning of the year unto the 18 of June, and then becoming Oriental, She will be our Morning Star to the end of the year.

January hath xxxi days.

Last quarter 1 day, 34 min. past 3 afternoon

New moon 9 day, 53 min. past 7 at night

First quarter 17 day, 29 min. past 4 in the morning

Full moon 23 day, 7 min. past 10 at night

Last quart 31 day, 20 min. past noon.

1	A	Circumcision	Libra	20	22	5	
2	B	2 Sun. af. Chr.	Scorp.	2	23	6	Sharp air at
3	C	Octab. John		14	24	8	the beginning
4	D	Octab. Innet.		25	25	9	with frost,
5	E	Edward	Sagit.	8	26	10	but holds not
6	F	Epiphany		19	27	11	long.
7	G	Ceb. bil. Lond.	Capr.	1	28	12	
8	A	William		14	29	14	
9	B	1 aft. Epiph.		26	0	15	
10	C	Paul Hermit	Aquar.	8	1	16	Wholesom
11	D	Agathus		21	2	17	winds and a
12	E	Attadius	Pisc.	4	3	18	clear air, but
13	F	Hillary Bith.		17	4	19	not very cold
14	G	Felicia	Aries	1	5	20	for the season.
15	A	Mauring		14	6	21	
16	B	2 aft. Epiph.		28	7	22	
17	C	Anthony	Taur.	12	8	23	
18	D	Bilca		26	9	24	
19	E	William	Gem.	10	10	25	About this
20	F	Octab. Hilar.		25	11	26	time expect
21	G	Agnes Virg.	Canc.	9	12	27	some snow
22	A	Wincet		24	13	28	and winds.
23	B	3 aft. Epiph.	Leo	8	14	29	
24	C	Term begins		22	15	30	
25	D	Conv. S. Paul	Virgo	6	16	30	Much snow
26	E	Dolycarpus		20	17	31	or rain, but
27	F	Quind. Hilar.	Libra	3	18	32	not very cold.
28	G	Carolus mag.		15	19	33	
29	A	Studas Ab.		28	20	33	
30	B	K. Char. Mar.	Scorp	10	21	34	
31	C	Adaman		22	22	35	

February hath xxviii days.

New moon 8 day, 2 min. after noon

First quarter the 15 day, 23 min. past noon

Full moon the 22 day, 17 min. past 11 before noon

M.D.	W.D.	Festival days with Terms	Moons place.	☉ plac. d. m.	Inclination of the air
1	d	Agathus	Sagit. 4	23 35	
2	e	Purification	15	24 36	The month
3	f	Craft. Purif.	17	25 37	begins tempe-
4	a	Quinquagesima	Capr. 9	26 37	rate with
5	a	Agatha	22	17 38	snow.
6	b	Sexagesima	Aquar. 14	28 38	
7	c	Septuagesima	17	29 39	Cold increa-
8	d	Sun in Pisces	Pisces 19	30 39	ses.
9	e	Appollonia	14	1 40	
10	f	Octab. Purif.	17	2 40	
11	a	Quinquagesima	Aries 11	3 40	
12	b	Terrentia	19	4 41	
13	c	Shrove Sund.	Taur. 9	5 41	Cold rain or
14	d	Valentine	19	6 41	snow may
15	e	Shrove week	Gem. 7	7 42	now be ex-
16	f	Ash wednesd.	19	8 42	pected.
17	a	Finian	Canc. 5	9 42	
18	b	Simton	19	10 42	
19	c	Acca	Leo 11	11 42	
20	d	1 Sun. in Lent	17	12 42	Windy with
21	e	Embert	Virgo 13	13 42	snow, but in-
22	f	Cathed. Petr.	15	14 42	different
23	a	Embert week	15	15 42	warm to ward
24	b	S. Matthias	Libra 11	16 42	the end
25	c	Johnnes	23	17 42	
26	d	Alexander	Scorpi. 18	18 42	
27	e	2 Sun. in Lent	18	19 42	
28	f	Orsola	Sagit. 10	20 42	

March hath xxxi days.

Last quart. 2 day, 47 min. past 9 in the morning.
 New moon 10 day, 44 min. past 12 in the morning.
 First quarter 16 day, 46 min. past 6 at night.
 Full moon 24 day, 25 min. past 1 in the morning.

1	D	David	Sagitt.	12	21	41	
2	E	Eve		23	22	41	March is ush-
3	F	Lucius	Capr.	5	23	41	ered in with
4	G	Memor. Ab.		17	24	40	high winds
5	A	Soligite	Aquar.	0	25	40	with rain &c
6	B	Sund. in Lem.		12	26	40	companying
7	C	Aquinas		25	27	39	
8	D	Perpetua	Pisces	8	28	39	
9	E	Francisca		22	29	38	
10	F	Sun in Aries	Aries	6	30	38	
11	G	Olwin		20	31	37	Heavy
12	A	Gregory	Taur.	5	1	36	but
13	B	Midlent Sun.		19	3	36	temperate
14	C	Leonaph	Gem.	4	4	35	but boisterous
15	D	Affroning		18	5	34	and windy.
16	E	Archieb. Ab.	Canc.	2	6	33	
17	F	Battick		16	7	32	evolve
18	G	Edmund R.	Leo	0	8	32	how
19	A	Joseph		13	9	31	heavy
20	B	Sun. in Lem.		27	10	30	comit
21	C	Benedic	Virgo	30	11	29	
22	D	Polycarpus		23	12	28	hine
23	E	Agabell	Libra	16	13	27	
24	F	Bartholom		19	14	26	Cold and
25	G	Lady day	Scorp.	2	15	25	cloudy with
26	A	William Not.		14	16	24	sun at the
27	B	Palm Sunday		26	17	23	end of the
28	C	Fremund	Sagitt.	10	18	22	month
29	D	Walbyes		29	19	21	
30	E	Patrons	Capr.	12	20	19	law
31	F	Adelme		13	21	18	

April hath xxx days.

Last quarter 1 day, 16 min. past 6 in the morning
 New moon 8 day, 4 min. past 11 before noon
 First quarter 15 day, 25 min. past 1 in the morning
 Full moon 22 day, 30 min. past 4 in the morning
 Last quarter 30 day, 35 min. past 7 at night.

1	B	Good Friday	Capr.	25	29 16	
2	a	Francis fast	Aquar.	8	23 15	Temperate
3	13	Easter day		20	24 13	weather at
4	f	Oliver	Pis.	3	25 12	the begin-
5	D	Vincent		16	26 10	ning, with
6	2	Ethelwald	Aries	0	27 9	gentle show-
7	f	Digene Ab.		14	28 9	ers but vari-
8	B	Egbertus		20	29 6	able,
9	a	Sun in Taurus	Taur.	14	08 4	
10	13	Low Sunday		29	1 2	
11	c	Leo Pope	Gem.	14	2 1	
12	D	Hugh		28	2 19	Windy wea-
13	2	Justin	Canc.	13	3 57	ther & some-
14	f	Ethelred		27	4 59	thing dry.
15	B	Osward	Leo	10	5 53	
16	a	Trans. Urban		24	6 52	
17	13	2 aft. Easter	Virgo	7	7 50	
18	f	Quind. Pasc.		20	8 48	
19	B	Elphage	Libra	3	9 46	
20	2	Term begins		15	10 44	
21	f	Ansles		28	11 42	
22	B	Peter	Scorp.	10	12 40	Moist and tur-
23	a	S. Graces		22	13 38	bulent wea-
24	13	3 Sun. aft. East.	Sagit.	4	14 36	ther towards
25	c	S. Mar. Evan.		16	15 34	the end.
26	D	Tres Pasc.		28	16 31	
27	2	Walburg	Capr.	10	17 29	
28	f	Witalis		22	18 27	
29	B	Peter Mart.	Aquar.	4	19 25	
30	a	Ethelwald		16	20 23	

May hath xxxi days.

New moon 7 day, 12 min. past 7 at night
 First quarter 14 day, 11 before noon
 Full moon 22 day, 59 min. past 7 in the morning
 Last quarter 30 day, 42 min. past 8 in the morning

1	Phil. & Jac.	Aquar. 28	21 30	hond
2	Ment. Pasch.	Pisc. 1	22 18	Windy and
3	Inuent. Crucis	25	23 16	wet at the
4	Monica	Aries 8	24 13	beginning.
5	Aligib	23	25 19	21 15
6	Jon. Port. Lar	Taur. 27	26 18	21 10
7	Stanislaus	22	27 6	21 6
8	Rogation Sun.	Gem. 7	28 3	21 3
9	Quinq. Pasch.	23	29 1	21 1
10	Epimachus	Cancr. 7	29 58	temperate air
11	Sun in Gem.	22	01 56	now with
12	Holy Thursd.	Leo 7	1 53	winds.
13	Craft. Ascen.	20	2 51	21 1
14	Boniface	Virg. 4	3 48	21 1
15	Sun. aft. Asc.	17	4 46	21 1
16	Term ends	Libra 0	5 43	21 1
17	Botolph	13	6 40	21 1
18	Severin Bil.	25	7 37	Windy show.
19	Eudentiana	Scorp. 7	8 34	dry weather
20	Ethelbert	19	9 32	and hot co-
21	Gedrich	Sagit. 1	10 30	ward the end.
22	Whit Sunday	10 13	11 27	21 1
23	William Rich.	25	12 24	21 1
24	John Widou	Capr. 27	13 22	21 1
25	Ember week	18	14 19	21 1
26	Shish B. G.	Aquar. 1	15 16	21 1
27	Beda Priester	13	16 13	21 1
28	Jonas Ab.	25	17 10	21 1
29	Trinity Sund.	Pisces 7	18 7	21 1
30	Craft. Trino	20	19 14	21 1
31	Petroneilla	Aries 3	20 2	21 1

June hath xxx days.

New moon 6 day, 8 min. past 1 in the morning

First quarter 12 day, 34 min. past 8 at night

Full moon 20 day, 46 min. past 10 at night

Last quarter 28 day, 26 min. past 6 at night

1	Samphylus	Aries	17	20	59	
2	Corpus Christi	Taur.	1	21	56	Windy turbu-
3	Term begins		16	22	53	lent weather
4	Petroch	Gem.	1	23	50	at the begin-
5	1 st Sun. af. Trin.		16	24	47	ning with
6	Q ^{ue} ntab. Trin.	Canc.	1	25	45	thunder.
7	Panlus		16	26	42	
8	William Bish	Leo	1	27	39	
9	Felicianus		16	28	36	
10	Margaret	Virg.	10	29	33	
11	S. Barnabas		13	09	30	Hot weather
12	2 nd Sun. af. Trin.		27	1	27	with chaffier,
13	Q ^{ue} int. Trin.	Libra	9	2	24	and storms of
14	Beati magnus		22	3	21	hail.
15	Robestus	Scorp.	4	4	18	
16	Richard		16	5	15	
17	Botolph		28	6	13	
18	Marcus	Sagit.	10	7	9	
19	3 rd Sun. af. Trin.		22	8	6	
20	Tref. Trin.	Capric.	3	9	3	
21	Walburg		16	10	1	Pretty tempe-
22	Term ends		28	10	58	rate, but
23	Paulinus	Aquar.	9	11	55	windy with
24	St John Bapt.		22	12	52	showers of
25	Amphibalus	Pisces	14	13	49	rain toward
26	4 th Sun. af. Trin.		17	14	46	the end.
27	Leonus	Aries	15	15	43	
28	Leob. II. Pope		13	16	40	
29	S. Pet. & Paul		26	17	37	
30	Com. S. John	Taur.	10	18	34	

July hath xxxi days.

New moon 5 day, 42 min. past 9 before noon
 First quarter 12 day, 41 min. past 10 before noon
 Full moon 20 day, 19 min. past 1 afternoon
 Last quarter 28 day, 25 min. past 2 in the morning.

1	K	Comstock B.	Taur.	25	19 31	
2	A	Vine Mary	Gem.	9	20 28	Boisterous and
3	B	Sun. af. Trin.		24	21 15	turbulent wea-
4	C	St. Peter	Canc.	9	22 23	ther with
5	D	St. James		24	23 10	thunder, and
6	E	St. George	Leo	9	24 17	storms of hail.
7	F	Tr. Thom. C.		24	25 14	
8	G	Stamford A.	Virg.	08	26 11	Not very hot.
9	A	Edinburg		22	27 9	
10	B	6 Sun. af. Trin.	Libra	5	28 6	
11	C	St. John P. & M.		18	29 3	
12	D	Sun. in Leo	Scorp.	1	0 0	Wet but tem-
13	E	St. Michael		13	0 57	perate for the
14	F	St. Vincent		26	1 55	season.
15	G	St. John B.	Sagitt.	7	2 52	
16	A	St. Simon		19	3 49	
17	B	7 Sun. af. Trin.	Capr.	0	4 46	
18	C	St. Rosina		22	5 44	
19	D	Dog days beg		24	6 41	
20	E	St. Margaret	Aquar.	8	7 38	
21	F	St. Daniel		19	8 36	
22	G	St. Mary Mag.	Pisces	1	9 33	Windy wea-
23	A	St. John Martin		14	10 30	ther with rain.
24	B	8 Sun. af. Trin.		27	11 28	
25	C	St. James Apo.	Aries	10	12 25	Temperately
26	D	St. John		23	13 23	hot and varia-
27	E	St. Joseph Trin.	Taur.	7	14 20	ble
28	F	St. Celsus		20	15 18	
29	G	St. Martha	Gem.	4	16 15	Unconstant
30	A	St. Abbon		19	17 13	weather.
31	B	9 af. Trin.	Canc.	3	18 10	

August hath xxxi days.

New moon 3 day, 58 min. past 4 afternoon
 First quarter 11 day, 4 min. past 12 in the morning
 Full moon 19 day, 49 min. past 2 in the morning
 Last quarter 26 day, 8 min. past 8 in the morning.

1	C	Lammas day	Canc.	18	19	8	
2	D	Stephanus	Leo	3	20	6	Moist soukry
3	E	Invent Steph.		18	21	3	weather, but
4	F	Dominick	Virg.	2	22	1	the heat soon
5	G	Matin		16	22	9	abates.
6	A	Eugenius	Libra	0	23	56	
7	B	10 after Trin.		13	24	54	
8	C	Cyrilcus		26	25	12	
9	D	Julian	Scorp.	9	26	10	A more serene
10	E	Roberte		21	27	47	air now and
11	F	Gilbert & C.	Sagit.	3	28	45	temperate.
12	G	1st full Virg.		16	29	45	
13	A	Bar in Virgo		27	01	41	
14	B	11 after Trin.	Capr.	9	1	39	
15	C	Picodentus		21	2	57	
16	D	Edith	Aquar.	3	3	37	Very hot a-
17	E	Lambert		15	4	32	bout this time
18	F	Alcos		27	5	31	with thunder.
19	G	Clintack	Pisces	10	6	29	
20	A	Bernard		23	7	27	
21	B	12 after Trin.	Aries	7	8	25	
22	C	Timothy		20	9	23	Windy dry
23	D	Stephen's fall	Taur.	3	10	22	weather so-
24	E	S. Bartholom.		17	11	20	ward the end.
25	F	Edmund King	Gem.	1	12	18	
26	G	Sophersie		15	13	16	
27	A	Rufus		29	14	15	
28	B	Dog days end	Canc.	13	15	13	
29	C	Decol. Bapt.		28	16	12	
30	D	Cecilia Virg.	Leo	12	17	10	
31	E	Adrian		26	18	8	

September hath xxx days.

New moon 2 day, 44 min. past 2 in the morning.
 First quarter 9 day, 8 min. past 8 at night.
 Full moon 17 day, 6 min. past 4 afternoon.
 Last quarter 24 day, 4 min. past 1 afternoon.

1	f	Edes Abbot	Virgo	11	19	7	3
2	f	Adamant		24	20	1	3
3	f	Euphemus	Libra	8	21	4	and indiffe-
4	f	14 after Trin.		21	22	3	neely hor
5	f	Eligontus	Scorp.	4	23	1	weather.
6	f	Magus		17	24	0	
7	f	Dunstan		29	24	59	
8	f	Nat. of Mary	Sagit.	11	25	57	
9	f	Gergontus		23	26	56	
10	f	Michael	Capr.	5	27	55	High winds
11	f	14 after Trin.		17	28	54	and boisterous
12	f	Wanslede		28	29	53	weather about
13	f	Sun in Libra	Aquar.	11	0	52	this time.
14	f	Exals. Crucis		23	1	51	
15	f	Alcomedes	Pisces	6	2	50	
16	f	Euphemus		19	3	49	
17	f	Lambert	Aries	2	4	48	
18	f	14 after Trin.		16	5	47	
19	f	Januarius	Tau.	0	6	46	
20	f	Janus		14	7	45	
21	f	Ember Week		28	8	44	S. Matthew
22	f	Quintus	Gem.	12	9	43	
23	f	Edes		26	10	42	Stormy wea-
24	f	Adinibald	Canc.	10	11	41	ther & some-
25	f	17 after Trin.		24	12	40	thing cold.
26	f	Cyprian	Leo	8	13	40	
27	f	Col. & Dam.		22	14	41	
28	f	Aloba	Virgo	6	15	40	
29	f	S. Mich Arch.		20	16	40	
30	f	Jerome P.	Libra	3	17	39	

October hath xxxi days

New moon 1 day, 10 min. past 3 afternoon
 First quarter 9 day, 21 min. past 3 afternoon
 Full moon 17 day, 5 min. past 2 in the morning
 Last quarter 23 day, 2 min. past 8 at night
 New moon 31 day, 44 min. past 6 in the morning.

1	a	Remigius	Libra	16	18 39	
2	B	18 after Trin.	Scorp.	0	19 38	Windy & wet
3	c	Gerard Ab.		12	20 38	weather may
4	d	Francis		25	21 38	begin the
5	e	Blasius	Sagit.	7	22 37	month.
6	f	Bruno		19	23 37	
7	g	Barth	Capr.	1	24 37	
8	a	Demetrius		13	25 37	
9	B	19 after Trin.		25	26 37	
10	c	Martin B. Y.	Aquar.	6	27 36	Turbulent &
11	d	Burchard		19	28 36	boisterous &
12	e	Willfred	Pisces	1	29 36	like to snow.
13	f	Sun in Scorp.		14	em 36	
14	g	Callistus		27	1 36	
15	a	Cecilia	Aries	10	2 36	
16	B	20 after Trin.		24	3 37	
17	c	Florence	Taur.	8	4 37	
18	d	S. Luke Evan.		23	5 37	
19	e	Stolony	Gem.	7	6 37	Cold rainy
20	f	Tres. Mich.		22	7 37	weather may
21	g	Ursula	Canc.	7	8 38	now be ex-
22	a	Corbula		21	9 38	pected with
23	B	21 after Trin.	Leo	5	10 38	little altera-
24	c	Term begins		19	11 39	tion to the
25	d	Elisabe	Virgo	3	12 39	end of the
26	e	Christus		16	13 39	month.
27	f	Mens. Mich. fa.		29	14 40	
28	g	Sim. & Jude	Libra	23	15 40	
29	a	Marcellus		25	16 41	
30	B	22 after Trin.	Scorp.	8	17 41	
31	c	Quintine		21	18 42	

November hath xxx. days.

First quarter 8 day, 39 min. past 10 in the morning
 Full moon 15 day, 9 min. past 4 afternoon
 Last quarter 22 day, 51 min. past 5 in the morning
 New moon 30 day, 57 min. past 12 in the morning.

1	D	All Saints	Sagit.	13	19 43	
2	E	All Souls		15	20 43	Variable un-
3	E	Craft. Anim.		27	21 44	constant wea-
4	H	Winfride	Capr.	9	22 44	ther, but
5	A	Powder plot		21	23 45	grows cold
6	B	23 after Trin.	Aquar.	3	24 46	and like to
7	C	will beyside		15	25 47	last.
8	D	Claudius		27	26 48	
9	E	Theodore	Pisces	9	27 48	
10	E	Erasmus		22	28 49	
11	H	Martine	Aries	5	29 50	
12	A	Craft. Mart.	Sagitt.	0	1 51	
13	B	24 after Trin.	Taur.	2	1 52	
14	C	Lawrence		17	2 53	
15	D	Leopold	Gem.	1	3 54	
16	E	Edmond		16	4 55	
17	F	Hugh	Cancr.	1	5 56	Cold rain or
18	G	Octab. Mart.		16	6 57	snow.
19	A	Donatus	Leo	1	7 58	
20	B	25 after Trin.		15	8 59	
21	C	Present Mary	Virgo	0	10 00	
22	D	Clety Virg.		13	11 01	
23	E	Clement		26	12 02	
24	F	Chrysostom	Libra	10	13 03	Temperous
25	G	Quind. Mart.		22	14 04	about the end
26	A	Peter	Scorp.	5	15 05	but not very
27	B	Advent Sund.		17	16 06	cold.
28	C	Term ends	Sagit.	0	17 07	
29	D	Matthias		11	18 08	
30	E	S. Andrew		24	19 09	

December hath xxxi days.

First quarter 8 day, 37 min. past 4 in the morning
 Full moon 15 day, 53 min. past 1 in the morning
 Last quarter 21 day, 9 min. past 8 at night
 New moon 29 day, 17 min. past 8 at night.

1	f	Daniel	Capr.	6	20 11	Temperately cold for the season.
2	B	Ethans		18	21 12	
3	B	Eustas King		29	22 13	
4	AB	2 sun. in Adv.	Aquar.	11	23 15	
5	c	Sabbas		23	24 16	Sun in Capri. Indifferently good weather at this time.
6	D	Nicholaus	Pisces	5	25 17	
7	e	Umbrose		18	26 18	
8	f	Conce. of M.	Aries	0	27 10	
9	B	Leocadia		13	28 21	Cold cloudy weather with snow.
10	B	Walchiades		27	29 21	
11	AB	3 sun. in Ad.	Taur.	10	0 23	
12	c	Elfrede		25	1 25	
13	D	Lucia	Gem.	9	2 26	Windy and unpleasant with some frost to end the Year.
14	e	Ember week		25	3 27	
15	f	Wills Abbess	Canc.	10	4 29	
16	B	O Sapientia		25	5 30	
17	B	Ananias	Leo	10	6 31	Windy and unpleasant with some frost to end the Year.
18	AB	4 sun. in Ad.		25	7 33	
19	c	Demetrius	Virgo	10	8 34	
20	D	Julianus fa.		23	9 35	
21	e	S. Thomas	Libra	6	10 36	Windy and unpleasant with some frost to end the Year.
22	f	Theobaldus		19	11 38	
23	B	Victoria	Scorp.	2	12 39	
24	B	St. E. v. fa.		14	13 40	
25	AB	Christ's birth		27	14 41	Windy and unpleasant with some frost to end the Year.
26	c	S. Stephen	Sagit.	9	15 43	
27	D	S. John		21	16 44	
28	e	Innocents	Capr.	3	17 45	
29	f	Cho. Procter		14	18 47	Windy and unpleasant with some frost to end the Year.
30	B	Eustachius		26	19 48	
31	B	Elstetter.	Aquar.	8	20 49	

A Regal Table in a more exact manner

The Year, Month, and Day, (accounting the Year to be- gin Jan. 1.) whereon every K. and Q. of Eng. since the Conq. began their reign.			The number of Years, Months, & Days, that eve- ry K. & Q. reign. 18 da. to a mon.			The num. of y. expired in this y. since they began to reign: as also since they ended.		
K. W. Conq.	1066	Octob. 14	20 y	11 m	22 d	613		
W. Rufus	1087	Sept. 9	12 y	11 m	18 d	594	W. Conq.	
Henry	1100	August 1	31 y	4 m	11 d	581	W. Rufus	
Stephen	1134	Decem. 2	18 y	11 m	18 d	546	Henry	1
Henry	1154	Octob. 25	34 y	9 m	2 d	527	Stephen	
Richard	1189	July 6	9 y	9 m	8 d	492	Henry	2
John	1199	April 6	17 y	7 m	0 d	482	Richard	1
Henry	1216	Octob. 19	56 y	1 m	0 d	465	John	
Edward	1272	Nov. 16	34 y	8 m	6 d	409	Henry	3
Edward	1307	July 7	19 y	7 m	5 d	374	Edward	1
Edward	1327	Jan. 25	50 y	5 m	7 d	355	Edward	2
Richard	1377	June 21	22 y	3 m	14 d	304	Edward	3
Henry	1399	Sept. 19	13 y	6 m	3 d	282	Richard	2
Henry	1413	Marc. 10	9 y	5 m	24 d	268	Henry	4
Henry	1422	Aug. 31	38 y	6 m	16 d	259	Henry	5
Edward	1461	March 4	22 y	1 m	8 d	221	Henry	6
Edward	1483	April 9	0 y	2 m	18 d	198	Edward	4
Richard	1483	June 22	2 y	2 m	5 d	198	Edward	5
Henry	1483	Aug. 21	23 y	10 m	24 d	196	Richard	3
Henry	1509	April 22	37 y	10 m	4 d	172	Henry	7
Edward	1547	Jan. 28	6 y	5 m	19 d	135	Henry	8
Q. Mary	1553	July 6	5 y	4 m	22 d	128	Edward	6
Q. Elizab.	1558	Nov. 17	44 y	4 m	15 d	123	Q. Mary	
K. James	1603	Mar. 24	22 y	0 m	3 d	79	Q. Elizab.	
Charles	1625	Mar. 27	22 y	10 m	3 d	56	K. James	
Charles	1649	Jan. 30	Longlive the King.			32	K. Charles	1

The use of this Table in Example.

King Henry 8. began his Reign in the year of Christ 1509, April 21
He Reigned 37 years, 10 moneths, and 2 days. It is since he began his
Reign 172 years complet the 22 of April this year 1681. Now to
know the time since the end of his Reign, before his name standing on
the right hand you shall there find 135 years since he died, January 28.
And so of the rest.

SWALLOW.

SWALLOW.

The latter part of this

ALMANACK

for the Year of our

LORD GOD

1681.

Being the 1st after Bissextile or Leap-
year, and from the Conquest of Eng-
land by William Duke of
Normandy 615 years.

Wherein are contained an account of the
Eclipses, the times of the Sun's entering
into the four Cardinal Signs, many neces-
sary notions, together with pleasant and
usefull Tables for the Weights and Mea-
sures of several Commodities, and an ex-
act Table of Board and Timber measure,
with other things very profitable, and de-
lightfull.

*Poma dat Autumnus: sermosa est messis. ~~Agri~~;
Ver praeber flores: Igne leuatur Hyems.*

CAMBRIDGE,

Printed by Iohn Hayes, Printer to the
University, 1681.

Of the Eclipses this year.

THis Year there will be four Eclipses, two of the Sun, and as many of the Moon; but there will be but one visible to us in these *British* Isles, and that will be the latter Eclipse of the Moon.

The first Eclipse in order will be of the Moon, *February* the 22 day, at 11 before noon, it falls in 15 degrees of *Virgo*, and may be visible to our *Antipodes*.

The second will be of the Sun, *March* the 10 day, at one in the morning, and therefore not visible to us, it happens in the beginning of *Aries*, and will shew it self to our *Antipodes*.

The third Eclipse will be of the Moon, *August* the 19 day, at 3 in the morning, it falls in 6 degrees of *Pisces*, and will be visible to us, if clouds hinder not.

The fourth and last Eclipse will be of the Sun, *September* the 2 day, at 2 in the morning, and therefore not to be seen by us, it happens in 10 degrees of *Virgo*, and will be but a small Eclipse, where most visible.

Of the Suns Entrance into the four Cardinal Signs this year.

HE enters *Aries* *March* 9, 38 min. past 8 at night, and then begins our Spring quarter.

He enters *Cancer*, *June* the 10, 48 min. past 9 at night, and then begins our Summer quarter.

He enters *Libra*, *September* the 12, 51 min. past 2 afternoon, at which time begins our Autumn quarter.

He enters *Capricorn*, *December* the 11, 57 min. past 4 in the morning, and then begins our Winter quarter.

Thus

Thus having given an account of the Eclipses and the times the Sun enters into the Cardinal Signs. I shall now give you some general directions, and all notions, together with pleasant and easie Tables, for the weights and measures of most commodities now traded with in England.

All measures of application or length are denominated from the parts of the body, as the Palm, the Foot, and the like, but are indeed in England taken from the Yard Standard kept in Guild Hall in London, of which the third part is a foot, and the 36 an inch. Set down in the first Table from an inch to a mile.

Now although the Table is so easie that I presume there are but few but will understand it at first sight, yet for the benefit of those that do not; I shall as briefly as I can explain it.

This Table consists of several columns: and may be considered either as to the columns or spaces between line and line from top to bottom, or by the spaces contained between line and line side-ways, or from the left hand to the right: now the figures are always of the denomination is signified at the top of the column they belong to, & are equal to the rest of the figures they stand with between the same lines from right to left: as for example, to begin at the top, 3 inches are equal to a palm, 9 inches equal to 3 palms, equal to 1 span and so of the rest. So in a yard there is contained 2 cubits, 3 foot, 4 span, 12 palms, 36 inches, the other part of the Table contains square measures or superficial, and the way of using it is the same with the former, as for example, 144 square inches are equal to a foot square, 1296 inches are equal to 9 foot, or 1 yard square. Those figures that come after such a mark as this --- the first of them stand for the 10th part, the 2 for the hundred part.

Small 1681.

Acres		4	160	174	294	840	43560	6272640
Rood		40	4356	1210	10850	1568160		
Pole		1089	304	2724	39204			
Pace		277	25	36000				
Yard		9	1295					
Fet		144						
Inch		144						

Table of Square Measure		Table of Long Measure	
Yard	Fet	Yard	Ell
1	3	1	1
2	6	2	2
3	9	3	3
4	12	4	4
5	15	5	5
6	18	6	6
7	21	7	7
8	24	8	8
9	27	9	9
10	30	10	10
11	33	11	11
12	36	12	12
13	39	13	13
14	42	14	14
15	45	15	15
16	48	16	16
17	51	17	17
18	54	18	18
19	57	19	19
20	60	20	20
21	63	21	21
22	66	22	22
23	69	23	23
24	72	24	24
25	75	25	25
26	78	26	26
27	81	27	27
28	84	28	28
29	87	29	29
30	90	30	30
31	93	31	31
32	96	32	32
33	99	33	33
34	102	34	34
35	105	35	35
36	108	36	36
37	111	37	37
38	114	38	38
39	117	39	39
40	120	40	40
41	123	41	41
42	126	42	42
43	129	43	43
44	132	44	44
45	135	45	45
46	138	46	46
47	141	47	47
48	144	48	48
49	147	49	49
50	150	50	50
51	153	51	51
52	156	52	52
53	159	53	53
54	162	54	54
55	165	55	55
56	168	56	56
57	171	57	57
58	174	58	58
59	177	59	59
60	180	60	60
61	183	61	61
62	186	62	62
63	189	63	63
64	192	64	64
65	195	65	65
66	198	66	66
67	201	67	67
68	204	68	68
69	207	69	69
70	210	70	70
71	213	71	71
72	216	72	72
73	219	73	73
74	222	74	74
75	225	75	75
76	228	76	76
77	231	77	77
78	234	78	78
79	237	79	79
80	240	80	80
81	243	81	81
82	246	82	82
83	249	83	83
84	252	84	84
85	255	85	85
86	258	86	86
87	261	87	87
88	264	88	88
89	267	89	89
90	270	90	90
91	273	91	91
92	276	92	92
93	279	93	93
94	282	94	94
95	285	95	95
96	288	96	96
97	291	97	97
98	294	98	98
99	297	99	99
100	300	100	100

In the Table of Long measure it is said a Pole or Perch is 16 1/2 feet, which is the same perch, besides which there are other perches or poles, as 18 feet for sea and wood land, 21 for forrests, Lancashire and Irish measure, and 18 1/2 Scotch.

Section 1681.

The measure for horses is by the handfull equall to 4 inches.

In England we make use of 2 sorts of weights Troy and Averdupoise.

By Troy weight Gold, Silver, Jewels, Amber, Electuaries, Bread corn, and Liquors, are weighed, and from this Troy pound are taken all measures for wet and dry Commodities.

By Troy weights. are weighed all Grocery ware, and in short all manner of things that can waste: the Tables for Troy and Averdupoise must be used like the foregoing for measures:

		Pound.		12	240	5760
		Ounc.		10	480	
Scruples		Troy weight.		pen. w.	24	Grains
3	Drams	Averdupoise weight.				
24	8	Ounces				
384	128	Pound				
43008	14336	1792	112	Hund.		
860160	286720	35840	2240	20	Tun	

Although the pound Troy, be bigger then the pound Averdupoise, yet the ounce Troy is lesser then the ounce Averd. the proportion of a Troy pound to Averd. pound being as 17 to 14, but of a Troy ounce to an Averd. ounce as 51 to 56.

A Tun weight Averdupoise is always 20 hund. of all things except Lead which is 19 hund. $\frac{1}{2}$.

Allom, Cinnamon, Nutmegs Pepper and Sugar have 13 l. $\frac{1}{2}$ to the Stone, and 108 l. to the hundred. Essen Cheese or Butter the Clove is 8 pound, the Wey 32 Cloves, or 376 l. In Suffolk the Clove is 6 l. the Wey 48 Cloves or 336 l.

B 3

Hay

Swallow 1683.

Hay should have 20 bind, but is sold for 23 C. 26 struffs or 2016 l. Wooll is sold by the Clove, or half stone 7 l. or by the Stone 14 l. Tonn 28 l. Wey 28 1/2 l. Sack 3 1/2 l. Last 4368 l. Iron and Shoe are weighed 14 l. to the stone, 28 l. to the quarter, 112 l. to the hundred, 20 C. to the Tun.

A Faggot of Steel is 120 l. a burden of Gad Steel is 9 score or 180 l. for the weight of Butter and Sope 56 l. of Butter, and 60 l. of Sope make a Firkin, and 4 firkins a Barrel of either.

Dry Measures of capacity are raised from the Gallon containing 8 pints, which should be contain'd in 272 1/2 Cubick inches, and should hold of pure running water 9 l. 13 oun. 12 dra. 1/2 of Averd. weight.

Pints									
8	Gal.								
16	2	Per.							
64	8	4	Busb.						
128	16	8	2	Strik					
256	32	16	4	2	Cooomb				
512	64	32	8	4	2	Seam or Quarter			
3072	384	102	48	24	12	6	Wey		
5120	640	320	80	40	20	10	12	Last	
A	1 l.	8 l.	16	64	128	256	512	3072	5120
B	14 oun.	7 l.	14	56	112	224	448	2816	4480

This Table is exactly of the same nature with the former, only at the bottom are added 2 spaces mark'd with A and B, in the line A is expressed the respective Measures weight of wheat in Troy weight, in the line B in Averd. for example a peck of wheat weighs 16 Troy, 74 Averd. and so for the rest.

Meal is weighed 23 Corn, that the common report is that a gallon of Wheaten Meal, weighs 21, Averd. and

8 l. 6 oun. 4 pen. weight Troy, and so a Bushel 56 l. *Averd.* and 48 l. 1 oun. 12 pen. weight Troy. All other Grain, likewise Salt, Lime, Coales, &c. follow this Measure which is called *Wheeler* Measure. But when for Corn and Sale are measured with this Bushel, they are heaped, or else there is allowed five striked Pecks to the Bushel, and this is called *Water* measure, 36 such Bushells make a Chaldron of Coales; and on Ship-board they allow 21 Chaldron to the score.

Liquid Measure is either for Wine, or Ale and Beer measure; the Gallon for Wine measure contains 231 Cubical inches and should hold of running water, 8 l. 1 oun. 11 drs. *Averd.* and 9 l. 10 oun. 1 pen. weight Troy.

A Table of Wine measure, A Tun of Wine weighing Averd. 17 c. weight one Fine 1 l. and half an ounce Troy.

Pints							
8	Gall.						
144	18	Runlet					
252	31½	1¼	Barrel				
336	42	2¼	1½	Tercel			
504	63	3½	2	8½	Hoghead		
672	84	4¾	2¾	2	1½	Puntion	
1008	126	7	4	3	2	1½	Butt
2016	252	14	8	6	4	3	2 Tun

Gallons 16832

In a Gallon for Ale or Beer there is 168 solid inches, and it holds of pure water 101.3 oun. 1 1/4 dra.

Averduysen

Hog.	2	4	8	64	512
Bar.	2	4	32	256	
Kild.	2	16	128		
Pints			Firke	8	64
18 Gall.				Gall.	8
72	9	Firke			Pint
144	18	2	Kild.		
288	36	4	2	Bar.	
576	72	8	4	2	Hog.

Vessels for Butter, Fish, and Soap follow the Ale measure of a gallon, 8 Gallons make a Firkin, 2 Firkins a Kilderkin, 2 Kilderkins an Ale Barrel, and 12 Ale Barrels a Last.

A Table of Board and Timber measure with
the Squares from 4 to 30 exactly
calculated.

Board measure.	Inches Quarters	Squares.	Timber measure.	Board measure.	Inches Quarters	Squares.	Timber measure.
36 0 0	4	16	108 0 0	16 0 1	9	81	21 3 3
33 8 8	1	18	96 0 0	15 5 7	1	85	20 3 3
32 0 0	2	20	86 4 0	15 1 6	2	90	19 2 0
30 3 1	3	22	78 5 4	14 7 7	3	95	18 1 9
28 8 8	5	25	69 1 2	14 4 0	10	100	17 2 8
27 4 4	1	27	64 0 0	14 0 2	1	105	16 4 6
26 1 3	2	30	57 6 0	13 7 1	2	110	15 7 1
25 0 0	3	33	52 3 6	13 3 9	3	115	15 0 3
24 0 0	6	36	48 0 0	13 0 9	11	121	14 2 8
23 0 4	1	39	44 3 0	12 8 0	1	126	13 7 1
22 1 5	2	42	41 1 4	12 5 2	2	132	13 0 9
21 3 3	3	45	38 4 0	12 2 9	3	138	12 5 2
20 5 7	7	42	35 2 6	12 0 0	12	144	12 0 0
19 18 6	1	52	33 2 3	11 7 5	1	150	11 5 2
19 2 0	2	56	30 8 6	11 5 2	2	156	11 0 8
18 5 8	3	60	28 8 0	11 2 9	3	162	10 6 7
18 0 0	8	64	27 0 0	11 0 7	13	169	10 2 2
17 4 5	1	68	25 4 1	10 8 7	1	175	9 8 7
16 9 4	2	72	24 0 0	10 6 7	2	182	9 4 9
16 4 6	3	76	22 7 4	10 4 7	3	189	9 1 4

Shallow 1681

Board measure.			Inches Quarters	Squares	Timber measur.	Board measure	Inches Quarters	Squares	Timber measur.					
10	2	8	14	169	8	8	16	8	6	21	441	3	9	2
10	1	0	1	203	8	5	16	7	7	1	451	3	8	3
9	9	3	2	216	8	2	36	6	9	2	462	3	7	4
9	7	6	3	217	7	9	66	6	2	3	473	3	6	5
9	6	4	15	225	7	6	86	5	4	22	484	3	5	7
9	4	0	1	232	7	4	46	4	7	1	495	3	4	9
9	2	9	2	240	7	2	06	4	0	2	506	3	4	1
9	1	4	3	248	6	9	76	3	3	3	517	3	3	4
9	0	0	16	256	6	7	56	2	6	23	529	3	2	7
8	8	6	1	254	6	5	46	1	9	1	540	3	2	0
8	7	3	2	272	6	3	56	1	2	2	552	3	1	3
8	6	0	3	280	6	1	66	0	6	3	564	3	0	0
8	4	7	17	289	5	9	86	0	0	24	576	3	0	0
8	3	5	1	297	5	8	15	9	4	1	588	2	9	4
8	2	3	2	305	5	6	45	8	8	2	600	3	8	8
8	1	1	3	315	4	4	85	8	2	3	612	2	8	2
8	0	0	18	324	5	3	35	7	6	25	625	2	7	6
7	8	9	1	332	5	1	95	7	0	1	637	2	7	1
7	7	8	2	342	5	0	55	6	5	2	650	2	6	5
7	6	8	3	351	4	9	25	5	9	3	662	2	6	1
7	5	8	19	361	4	7	95	5	4	26	676	2	5	5
7	4	8	1	370	4	6	75	4	8	1	689	2	5	0
7	3	9	2	380	4	5	55	4	3	2	702	2	4	0
7	2	9	3	390	4	4	35	3	8	3	715	2	4	2
7	2	6	20	400	4	3	25	3	3	27	729	2	3	7
7	1	1	1	410	4	2	15	2	8	1	749	2	3	2
7	0	2	2	420	4	1	15	2	3	2	756	2	2	8
6	9	4	3	431	4	0	15	1	9	3	767	2	2	5

Board measur.	Inches Quarters	Squares	Timber measur.	Board measur.	Inches Quarters	Squares	Timber measur.
5 1 4	28	714	2 2 0	4 3 3	3	1089	1 5 9
5 0 9	1	791	2 1 6	4 3 3	1	1104	1 5 6
5 0 5	2	812	2 1 2	4 3 0	2	1122	1 5 4
5 0 0	3	826	2 0 9	4 2 7	3	1139	1 5 2
4 9 6	29	841	2 0 5	4 2 3	34	1156	1 4 9
4 9 2	1	855	2 0 2	4 2 0	1	1173	1 4 7
4 8 8	2	870	1 9 8	4 1 8	2	1190	1 4 5
4 8 4	3	885	1 9 5	4 1 4	3	1208	1 4 3
4 8 0	30	900	1 9 2	4 1 1	35	1225	1 4 1
4 7 6	1	915	1 8 9	4 0 8	1	1242	1 3 9
4 7 2	2	930	1 8 6	4 0 5	2	1260	1 3 7
4 6 8	3	945	1 8 3	4 0 3	3	1278	1 3 5
4 6 4	31	961	1 7 9	4 0 0	36	1296	1 3 3

The Explanation and use of the Table.

The Table consists of two principle Columns, and these two are again divided each Column into four, so that it consists of eight Columns.

The first, which entitles Board measure, shews how many Inches in length are required to the making of a Foot of Board according to the breadth given.

The second, entituled, Inches and Quarters, contains the

the breadth in Inches and Quarters, beginning at 4 Inches and proceeding thus, 4. 1, 2, 3. which are 4 Inches $\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ of an Inch, and so likewise of the rest.

The third entitled Squares, shews the area or content of a Square whose side are the Inches and parts of Inches standing equal with the said Square Inches.

The fourth, entituled Timber measure shews how many Inches and parts of Inches make a Foot of Timber according to the side of the Square given, or the content of its base. The other four Columns are of the same nature with the former explained, and therefore I shall proceed to the use of the Table.

The use of the Table Exemplified.

First suppose I have a Board 13 Inches and $\frac{1}{4}$ broad, and I desire to know how much in length thereof will make a Foot: first, I seek in the Column entituled, Inches and Quarters for 13 and $\frac{1}{4}$ and against the same under the title of Board measure, I find 10 Inches, 5 primes, and 7 seconds will make a Foot at that breadth, the like may be practised for any other breadth of Board or Glass, or Cicleing, or Pavement: and if you desire to know how many Bricks will floor a Room, first find the area or content of the floor in square Inches, and then find the content of one Brick, divide thereby, and the quotient will shew you how many Bricks will suffice for the flooring of the Room, you may also by the help of the Column of Squares readily find a square equal to the base of any Parallelepipedon or piece of Timber, which is thicker than it is broad, *exemp. gr.* Suppose a piece of Timber to be 8 Inches thick and 12 Inches broad, if I multiply these sides one by another, the product will be

be 96 the content of the base of the Parallelepipedon which seeking in the Column of Squares I find not, but I find 95 the nearest to it standing against 9 Inches and $\frac{1}{2}$ therefore I lay, 9 Inches and $\frac{1}{2}$ *ferè* will make the side of a square board whose area will be equal to the Parallelogram, or base of the Parallelepipedon aforesaid, now looking into the Column of Timber measure right against this 9 Inches and $\frac{1}{2}$ I find 18 Inches, 1 prime, 9 seconds, which is the length of a Foot of that piece of Timber according to the aforesaid thickness or content of its base. You may likewise see by this Table how to reduce a parallelogram into a square, or to perform many such like things of good use, and with much delight, and as profitable.

Some short fundamental Rules of measuring
Superficies and Solids, and how to
measure Round Timber.

First for a Parallelogram or a figure that is Longer than it is broad, multiply both the sides one by the other, and you shall have the content, as suppose the length be 20 and the breadth 9, these multiplied produce 180, the content sought.

The area of a Triangle is produced by multiplying half the base into the height, or the base into half the height, because every Triangle is equal to half the Parallelogram of the same height and length, and under the same parallels, as suppose a Triangle whose base is 20 the length of the former Parallelogram, and the height 9 the breadth thereof, now 10 into 9 makes 90 the area of the Triangle.

Thus you may do with any irregular figure by dividing it into Triangles, and then finding their contents add them together, and you shall have the content of the whole.

To

To measure Circles.

The area of a Circle is produced by multiplying half the Circumference into the Semidiameter, as suppose the half Circumference is 9 and the Semidiameter 3 these multiplied produce 27 the area or content sought. For every Circle as *Archimedes* demonstrates, is equal to the Triangle, whose Base is equal to the Circumference, and height equal to the Semidiameter of the Circle.

The Proportion of a Circle to the Square of the Diameter is as 11 to 14 *scilicet* therefore by the Rule of three, say as 11 to 14; so the area of the Circle suppose 27 to the Square about the Circle, then multiply 27 by 14 and divide by 11 and the Quotient shews you your desire.

The Diameter of a Circle given to find the Circumference.

The Proportion will be as 7 to 22, so the Diameter which suppose 28, to 88, the Circumference which is effected by multiplying 28 by 22 and dividing by 7, according to the Rule of three.

In like manner having the Circumference you may find the Diameter only by converting the terms, saying as 22 to 7, so 88 the Circumference to 14 the Diameter, so that the Circumference of a Circle is triple of the Diameter and about $\frac{1}{7}$ of it.

To make a Square equal to a Circle, extract but the Square root of the content, and you will have the side of a Square equal to the Circle; or by the foregoing Table look for a Square number equal to it, or that which comes nearest to it, under the title of Squares and right against it

it under the title of Inches and Quarters you will find the side.

The Square within the Circle is equal to half the Square without, therefore take half the content of the Square without, and extract the Square root or find the side of it in the foregoing Table by looking among the Squares, you will find the side answering to it under the title of Inches and Quarters, as for example, suppose the content of the Square without be 800 Inches or Feet, half of this is 400, then looking 400 under the title of Squares you will find 20 standing against it which is the side of that Square which is to be inscribed within the Circle. And note that if you enter the Table with Feet you will be answered with Feet and parts of a Foot, if with Yards, Yards and parts of a Yard, &c. and note likewise that what hath been said of Boards may be applied to any the like Superficies as Land, Waincoat, &c.

For the measuring of round Timber or Stone, &c. you must know that round Timber represents Cylinders, now the Solidity of a Cylinder is found by multiplying the content of the Base which is a Circle by the height, and the product gives the content or Solidity, as if the Base be 27 the height 6 these multiplied produce 162. The Solidity of a Cylinder or round piece of Timber, in like manner are Prisms measured.

Cones and Pyramids are the third part of Cylinders, and Prisms, representing taper Timber, their Solidity is found by multiplying the content of their Bases by the third part of their height by finding the content of the Base of the Cylinder or round piece of Timber, you may by the former Table find how many Inches in length of that piece will make a Foot Solid, as suppose the area of the base be 27, look 27 under the title of Squares, and right against it in the row of Timber measure stands 64 the length of a Foot Solid.

Swallow 1681.

A plain and easie Table shewing the Interest due upon any sum of money from five hundred pounds, for a year or more, at the rate of six pounds in the hundred.

	1 Mon.			3 Mon.			6 Mon.			9 Mon.			A year		
	£	s	d	£	s	d	£	s	d	£	s	d	£	s	d
500	0	0	10	0	1	30	0	1	30	0	1	30	0	3	2
600	0	0	20	0	1	30	0	3	20	0	5	00	0	7	0
700	0	0	30	0	2	20	0	5	10	0	8	20	0	10	2
800	0	1	00	0	3	20	0	7	00	0	10	21	2	1	
900	0	2	10	0	7	01	2	11	9	12	4	2			
1000	0	3	20	0	10	21	9	12	7	13	6	3			
1100	0	4	00	0	12	13	4	23	6	34	9	0			
1200	0	5	00	0	16	03	0	04	6	06	0	0			
1300	0	6	00	0	19	23	7	05	4	27	2	1			
1400	0	7	00	0	1	04	2	16	3	18	4	2			
1500	0	8	00	0	2	24	9	17	3	19	6	3			
1600	0	9	00	0	3	15	4	28	0	310	9	0			
1700	0	10	00	0	4	00	0	00	0	00	0	0			
1800	0	1	00	0	5	00	6	00	9	00	12	0			
1900	0	2	00	0	6	00	12	00	18	01	4	0			
2000	0	3	00	0	9	00	18	01	7	01	16	0			
2100	0	4	00	0	12	01	4	01	16	02	8	0			
2200	0	5	00	0	15	01	10	02	5	03	0	0			
2300	0	6	00	0	18	01	16	02	14	03	12	0			
2400	0	7	01	0	1	02	2	03	3	04	4	0			
2500	0	8	01	0	4	02	8	03	12	04	16	0			
2600	0	9	01	0	7	02	14	04	1	05	8	0			
2700	0	10	01	0	10	03	0	04	10	06	0	0			

Find the principal in the first Column, & in the other you have the interest due for one, three, six, nine, or twelve months.

A Table of the hours and minutes of Sun rising every second day.

Day	Jan.	Februa.	March	April	May	June	
ho. mi.	ho. mi.	ho. mi.	ho. mi.	ho. mi.	ho. mi.	ho. mi.	
1	4	7 15	6 16	5 24	4 21	3 46	
2	1	7 11	6 12	5 10	4 17	3 45	
3	7 58	7 7	6 8	5 6	4 14	3 44	
4	2	56	7 3	6 4	5 2	4 11	3 43
5	7 53	6 57	6 0	5 58	4 7	3 43	
6	7 51	6 53	5 56	4 54	3 5	3 43	
7	7 48	6 50	5 52	4 50	3 2	3 43	
8	7 45	6 48	5 48	4 46	3 0	3 44	
9	7 43	6 42	5 44	4 43	3 58	3 45	
10	7 40	6 38	5 40	4 39	3 56	3 46	
11	2 38	6 34	5 36	4 37	3 54	3 47	
12	7 33	6 30	5 32	4 32	3 52	3 48	
13	7 32	6 26	5 29	4 29	3 50	3 49	
14	7 25	6 22	5 25	4 25	3 48	3 50	
15	7 21	0 0	5 21	4 22	3 47	3 52	

Day	July	August	Septem.	Octob.	Nov.	Decem.
ho. mi.	ho. mi.	ho. mi.	ho. mi.	ho. mi.	ho. mi.	ho. mi.
2	3 54	4 5	5 39	6 41	7 39	8 15
4	3 56	4 43	5 42	6 45	7 40	8 15
6	3 58	4 46	5 46	6 49	7 44	8 16
8	4 0	4 50	5 50	6 52	7 47	8 17
10	4 3	4 54	5 54	6 56	7 51	8 17
12	4 6	4 58	5 58	7 0	7 54	8 17
14	4 8	5 2	6 2	7 4	7 57	8 18
16	4 11	5 6	6 6	7 8	7 59	8 18
18	4 15	5 10	6 11	7 12	8 1	8 18
20	4 18	5 14	6 15	7 15	8 3	8 18
22	4 21	5 18	6 18	7 19	8 5	8 18
24	4 24	5 22	6 22	7 22	8 7	8 18
26	4 27	5 25	6 25	7 25	8 9	8 18
28	4 30	5 29	6 29	7 29	8 11	8 18
30	4 34	5 32	6 32	7 32	8 12	8 18

Set the day on the side, and fight against it, in every month, you have the hour and minute of Sun rising.
 Look how many minutes the Sun rises after 3, 4, 5, 6, 7, 8.
 So many he sets before 9, 8, 7, 6, 5, 4.

A Table of Annuities and Reversions.

What's pound to be paid any number of years hence under 31, is worth in ready money.

What's Annuitie to be paid any number of years under 31, is worth in ready money at 6 per cent.

An. d. q.			lb. sh. d. q.		
1	18	10	2	1	0
2	17	9	2	2	1
3	16	9	2	3	2
4	15	10	0	4	3
5	14	11	2	5	4
6	14	1	1	6	4
7	13	3	2	7	5
8	12	6	2	8	6
9	11	10	0	9	6
10	11	2	0	10	7
11	10	6	0	11	7
12	9	11	0	12	8
13	9	4	2	13	8
14	8	10	0	14	9
15	8	4	0	15	9
16	7	10	2	16	10
17	7	5	0	17	10
18	7	0	0	18	11
19	6	8	2	19	11
20	6	3	2	20	11
21	5	10	2	21	11
22	5	6	2	22	12
23	5	3	3	23	12
24	4	11	1	24	12
25	4	7	2	25	12
26	4	4	3	26	13
27	4	1	3	27	13
28	3	11	0	28	13
29	3	9	1	29	13
30	3	5	2	30	13

The use of these Tables are both after a manner, for finding what one pound will yield, you may by multiplication know what 5^{lb} or 10^{lb} or 100^{lb} will yield.

As for Example.

A Lease or Annuity being worth 30^{lb} per annum which is to continue 30 years, what may the value in ready money? You may see by the first Table that one pound annuity is continued 30 years is worth 13^{lb} 10^{sh} 3^d which multiply by 30 and you shall have your desire.

Note that the first Table shews what one pound to be paid any number of years hence is worth in ready money that is which the interest of the yearly decrease is deducted, or Rebated, as 20^{lb} to be paid 30 years hence is worth 13^{lb} 10^{sh} 3^d as is seen, what one pound yearly continuing is worth, the interest is like manner being deducted.

Note also that the sum of all the Rebates is 10^{lb} 10^{sh} 10^d which is the sum of all the Rebates.

Swallow 1681.

A Table shewing how to find Easter for ever by the help of the Golden Number and Dominical Letter.

G.N.	A	B	C	D	E	F	G
i	9	10	11	12	13	14	15
ii	16	17	18	19	20	21	22
iii	23	24	25	26	27	28	29
iv	30	31	1	2	3	4	5
v	6	7	8	9	10	11	12
vi	13	14	15	16	17	18	19
vii	20	21	22	23	24	25	26
viii	27	28	29	30	31	1	2
ix	3	4	5	6	7	8	9
x	10	11	12	13	14	15	16
xi	17	18	19	20	21	22	23
xii	24	25	26	27	28	29	30
xiii	31	1	2	3	4	5	6
xiv	7	8	9	10	11	12	13
xv	14	15	16	17	18	19	20
xvi	21	22	23	24	25	26	27
xvii	28	29	30	31	1	2	3
xviii	4	5	6	7	8	9	10
xix	11	12	13	14	15	16	17
xx	18	19	20	21	22	23	24
xxi	25	26	27	28	29	30	31
xxii	1	2	3	4	5	6	7
xxiii	8	9	10	11	12	13	14
xxiv	15	16	17	18	19	20	21
xxv	22	23	24	25	26	27	28
xxvi	29	30	31	1	2	3	4
xxvii	5	6	7	8	9	10	11
xxviii	12	13	14	15	16	17	18
xxix	19	20	21	22	23	24	25
xxx	26	27	28	29	30	31	1

Yea.	of our	1680	1681	1682	1683	1684	1685	1686
Lord								

G.N.	9	10	11	12	13	14	15
D.L.	DC	B	A	G	F	E	D
	C 2						The

Swallow 1681.

The foregoing Table explained.

BY the former Table you may easily find Easter, (and from thence the other Moveable Feasts) in any year to come. The use is thus. You must first know the Golden Number and Dominical Letter for that year in the which you would know when Easter will fall, which you may find for 3 years at the bottom of the Table, then enter the Table with the Golden Number in the first Column and the Dominical Letter at the top, and in the common Angle is the day of the month whereon Easter falleth that year.

Example, this year 1681 the Golden Number is 10, the Dominical Letter B. I find 10 in the first Column, and I go right forward from 10 till I come under the Letter B, where I find April 3, upon which day Easter falls this year, thus do for any other year, only in Leap year, there being two Dominical Letters, work with the last of them as before.

Having found Easter, you may from thence find the other Moveable Feasts, Shrovetide is 7 weeks before Easter, Rogation Sunday 5 weeks after Easter, The Thursday after Rogation is Ascension day, 7 weeks after Easter is Whitsunday, the Sunday following is Trinity Sunday, the Thursday after that is Corpus Christi.

Advent Sunday, always the nearest Sunday to the Feast of S. Andrew, whether it be before it or after it.

London 1611.

The Names of the principal Fairs in England,
as they have heretofore been set forth by others,
and are now Corrected and continued for the
common good.

January.

The 5 day at Hilsford in Lancashire the 6 day at Salis-
bury, Tuesday after at Melton-Mowbray, the Thurs-
day after at Banbury: the third Tuesday in January at
Potton: the 25 at Gravesend, Bristol, Charchisford, Nor-
shallerton in Yorkshire every Wednesday from Christ-
mas till June.

February.

The 1 day at Bromley in Lancashire, the 2 at Reading,
in Berkshire, at Marlston, Ricklesworth, Rickesfield, Bath,
Lyn, Bigworth: the 6 day at Stafford for 6 days: the
14 at Oundle, Faversham: 24 at Henley upon Thames,
Bilcock: On Ash Wednesday at Royton, Dunstable,
Baton, Tamworth, Tunbridge, Lichfield, Exeter, Ciceter,
The first Thursday in Lent at Banbury: the 26 at Stamford
an Horse Fair.

March.

The 3 day at Bromel-brakes in Norfolk, 4 at Bedford, at
Oakham: 13 at Allsme in Norfolk, Sudbury, Wooburn,
Stanford, at Wye: 13 at Bodwin in Cornwall: 20 at
Durham, Alsbury: Munday before our Lady day at Ken-
dal, at Wisbich, 21 at Huxington, Northampton, Milden,
Allwel in Hartfordshire, Newcastle, Oney, S. Albans:
Midlent Saturday at Saffron-walden: Palm Sunday Eve
at Wisbich, Worcester, Pommer, on Goodfriday at Nor-
wich, the Tuesday before Easter at Potton.

April.

Easter Monday at Oney in Bedfordshire, Gainsborough,
Easter Tuesday at Dunsy in Northampton, Godman-
chester,

chester, Schole in Norfolk, S. Edmunds bury. On Wednesday at Wellingborough in Northampton. On Saturday in the same week at Darby. On Saturday at Bickelworth a day at Hitchen, at Rochford, Northfleet: 5 at Wallingford: 7 at Derby: 9 at Billingwode, Bickelworth: the 22 at Sudbury, 23 at Ipswich, Haveril in Norfolk, Northampton, Saplar in Hertfordshire, Charing, Hunningham, Tamworth, Bu y in Lancashire, S. Pombs in Cornwall, Amphill, Chichester, Engheld, Gilsford, Bishops-Hatfield: the 25 at Buckingham, at Bourne in Lincoln, at Colebrook, Dunsow in Essex, Darby, Oakham in Rutlandshire: the 29 at Tenderden in Kent, Chel: 30 at Beverly a week together.

The 1 day at Swanham, Haveril in Essex, Laytonbury in Huntingdonsh. Rippon in Yorks. Reading, Maidstone, Chelmsford, Leicester, Litchfield, Lexfield in Suffolk, Stow, Stankard, Tinsford in the Clay, the 2 day at Ellon in Bedfordsh, Nonsaton in Warwick. The 3rd in Norfolk, Waltham Abby, Hunningham, Rochdale, Bramyard the 6 at Ainsbury, at Bifford, 7 at Newton in Lancashire, Beverly, Orons, Bath: the 8 at Maidstone: the 9 at Rochester, Dunstable, Maffield in Suffolk. On Ascension Munday at Reeth. On Ascension day at Thaxted, Beverly, Rippon, Sudminster, Bishopscratford, S. Neots, Wickham in Lancashire, Middlewich in Cheshire, Chappel Erich in Darbsh. On Whitsun-even at Skipton in Craven. On Whitsun-Munday at S. Ives, Ryegate in Surrey, Bickelworth, Bradford, Agmonsham in Buckinghamsh. On Whitsun-Tuesday at Newmarket. On Wednesday at Roydon. Thursday at Oundle in Northamptonsh. 25 at Lissam, 26 at Cranbrook.

Trinity-even at Rowel, Kendal. On Corpus Christi day at Banbury, Bishopscratford, S. Neots, Coventry, Newbury. The 3 at Alesbury: 9 at Maidstone, 11 at Brene in Norfolk, Bardfield in Essex, 17 at Hadstock, 21 at S. Mary.

Swallow 1682.

bars, Deerham in Norfolk, Shrewsbury, 24 at Histon in Suffolk, Barnet by Cambridge, Bedford, Colchester, Hartford, Leicester, Rumford, Reading, Windsor, Halifax, York, Beverly, Hallingden, 26 at Bristol, Darby, 27 at Milton on Trent, Colchester 28 at S. Pauls in Cornwall, 29 at Peterborough, Ashwell, Sudbury, 30 at Essex, Benington in Hertfordshire.

July.

The first Tuesday at Potton. The 1, 2, 3 days at Congeston in Cheshire, 7 at Roydon, Burntwood. The Monday after at Fodringham, at Canterbury: the 11 at Partney, 17 at Seavenage: 20 at Oxbridge, Coolidge, Woodstock, the 22 at Ickleton, Bicklesworth, Norwich, Colchester, Newark upon Trent; 25 at Audley-end by Walden, Reading, Baldock, Darby, Dover, Erith, Ipswich, Stamford.

August.

The first day at Bedford, S. Neots, Dunstable, Fotherham, Wisbich, Bicklesworth, Thaxted: the 6 at Peterborough, the 10 at Blackmore, Harply in Norfolk, S. Ives, Bedford, Banbury, Eamham, Brainford, Oundle: the 13 at Cambridge, Huntingdon, Dunmow, Luton, Northampton: the 24 at London, Sudbury, Norwich, Oxford, Northampton, Dover, Beggars-bush, Burton: the 28 at Ashford, Daintry: the 29 at Histon in Suffolk, Harlow-Bush in Essex, Watford.

September.

The first day at S. Giles in the Bull. On Thursday and Friday before the 8 day at Sandback in Cheshire. 7, 8, 9, 10 at Woodbury-hall in Dorsetshire, 7 at Ware, 8 at Huntington, Bury in Lancashire, Partney, Wakefield, Northampton, Sturbridge fair begins: the 11 at Wolfpit in Suff. 14 at Rippon, Waltham Abbey, Chatterfield in Derbyshire, Richmond: the 21 at Marlborough, Bedford, Baldock, Edmundsbury, Holden in Holderness, Braintry, Brackly-Maiden, Malden, Mildon: the 29 at S. Ives, Basingstoke, Marketdeeping, Shelford in Bedfordsh. Bishopstortford, Malden,

October 1680

Malden, Stow in Lincolnsh. 3. Albans, Canterbury, Leam-
 ing, Newark, Walsingham, Weymouth 4 days: Thursday
 at Sandwich.

The 1 day at Sandwich: the 2 at Havering in Essex, Maid-
 stone, Colchester, the 3 at Ely, 4 at Wells by Nor-
 wich, the 5 at Bishopsthorpe, Harborough, 6 Gainbe-
 rough, the 7 at Windsor, Colchester, Gravesend, Hitchin,
 Royston: the Tuesday before 8, 9 at Poole: 10 at
 Ely, 11 at Harford, 12 at Bury, 13 at Burnton on
 Trent, Weltonborough: the 14 at Sutton Walden, Coven-
 try: the 15 at Northampton, 16 at Newmarket, Hartford,
 Oxford, 17 at Walsfield, Stamford, 18 at Richdale in Lanca-
 shire.

November

The 1 day at Cheshamford, 2 at Epping, Kingston on
 Thames, Padamhaston in Suffolk, 3 at Newport pond, Bed-
 ford, Harford, 4 at Loddon in Norfolk, 5 at Notting-
 hamshire, Hampton, 6 at Fockingham, 7 at Rock, Maribor-
 ough: the 8 at Spalding in Lincolnsh, Lincoln, Harlow,
 Rude, Northampton: the 9 at Harford in Kent: the 10 at
 S. Edmundsbury, 11 at Ely, 12 at Sandwich, the 13 at Sand-
 wich, the 14 at Rock, 15 at Harford, 16 at Harborough, 17 at
 Maidhead, 18 at Warrington, 19 at Rock, 20 at Walsfield, York.

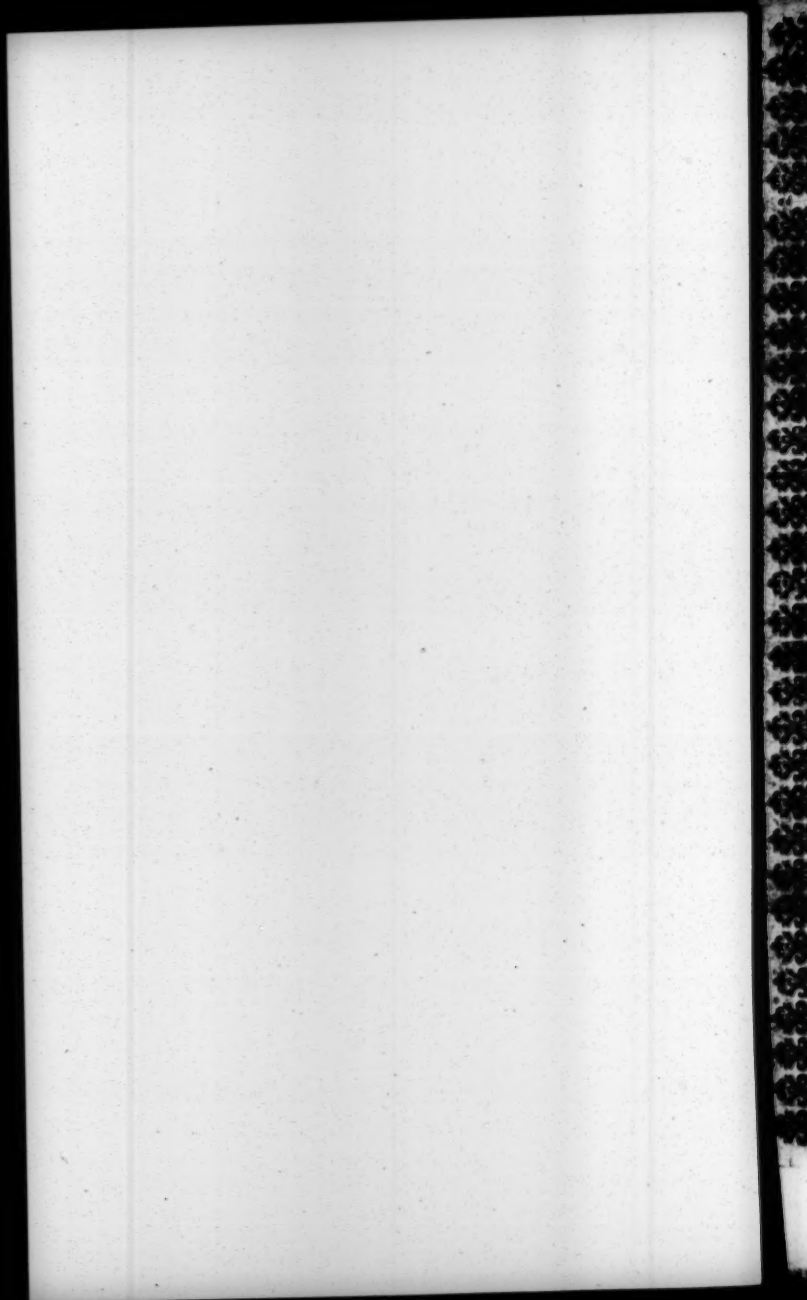
December

The first day at Turbury: the 2 at Fladby: the 3 at
 S. Neots, 4 at Woodstock, 5 at Ely, 6 at Spalding, 7 at Norwich in
 Cheshire, 8 at Seven-oak in Kent, 9 at Angul, 10 at Granham: the 11
 at Sandhurst, the 12 at Northampton, 13 at Clifton in Lanca-
 shire, 14 at Harford, 15 at Harford, 16 at Harford, 17 at Harford, 18 at
 Canterbury, 19 at Salisbury.

Index

The first day at Turbury: the 2 at Fladby: the 3 at
 S. Neots, 4 at Woodstock, 5 at Ely, 6 at Spalding, 7 at Norwich in
 Cheshire, 8 at Seven-oak in Kent, 9 at Angul, 10 at Granham: the 11
 at Sandhurst, the 12 at Northampton, 13 at Clifton in Lanca-
 shire, 14 at Harford, 15 at Harford, 16 at Harford, 17 at Harford, 18 at
 Canterbury, 19 at Salisbury.

Maid
 Nor-
 titchin,
 18 at
 rton on
 Coven-
 ertford,
 Lancs-
 18 at
 rton on
 d. Bed-
 erting-
 Marlbe-
 Harlow,
 the 20 at
 ne Sand-
 n, Mai-
 18 at
 the 3 at
 orwich in
 n: the 7
 n Lancs-
 ge: the 19



DOVE
SPECULUM ANNI
OR ANNO 1681
ALMANACK

For the Year of our
LORD GOD.

1681

1681 1729 65

Being the first after Bissextile or Leap
year, and from the worlds Creation 5684.

Which is contained a Chronology, the Planets
Ages, Eclipses, Tides, Inclination of
the Sun, with other things of note.

Calculated properly for the famous
University and Town of Cambridge, where
the Sun is situated above the
Equator 42 deg. and 17 min.

But may indifferently serve for any place within
this Kingdom.

Non nobis solum sed etiam

CAMBRIDGE,
Printed by John Hayes, Printer to the
University, 1681.

Phenomena

The vulgar notes and moveable Feasts for
this year 1681, in both accounts, *Viz.*

Julian or
English;

Gregorian
or Foreign.

	10	The Golden Number	To
	10	The Cycle of the Sun	10
	20	The Epact	10
	20	The Dominical Letter	C
Feb.	13	Shrove-sunday	Febr. 16
April	9	Easter-day	Apr. 6
May	12	Ascension-day	May 15
May	22	Whitsunday	May 29
May	29	Trinity-sunday	June 1
Nov.	27	Advent-sunday	Novem. 30

A Table of the four Terms and their Returns.

Hilary Term	Begins Jan. 24.	Octab. Hill. Jan. 20.
	hath 4 Returns.	Quind. Hill. Jan. 27.
	Ends Febr. 12.	Crast. Purif. Febr. 3.
Easter Term	Begins April 20.	Octab. Purif. Febr. 10.
	hath 3 Returns.	Quind. Pasch. Apr. 18.
	Ends May 16.	Crast. Ascen. May 13.
Trinity Term	Begins June 3.	Crast. Trin. May 30.
	hath 4 Returns.	Octab. Trin. June 6.
	Ends June 22.	Quind. Trin. June 13.
Michael Term	Begins Octob. 24.	Tres Trin. June 20.
	hath 6 Returns.	Tres Mich. Octob. 20.
	Ends Novem. 28.	Menf. Mich. Octob. 27.
		Crast. Anim. Nov. 1.
		Crast. Mart. Nov. 18.
		Octab. Mart. Nov. 18.
		Quind. Mart. Nov. 24.

Note that the Exchequer openeth 8 days before any Term, except the Term of Trinity, in which it openeth but 4 days before.

Dece 1681.

The Anatomy of Mans body.



The Names and Characters of the twelve Signs.

- ♈ Aries Head and Face
- ♉ Taurus Neck & Throat
- ♊ Gemini Arms and Shoulders
- ♋ Cancer Breast and Stomach
- ♌ Leo Heart and Back
- ♍ Virgo Bowels and Belly
- ♎ Libra Reins and Loins
- ♏ Scorpio Secret members
- ♐ Sagittarius the Thighs
- ♑ Capricornus the Knees
- ♒ Aquarius the Legs
- ♓ Pisces the Feet.

The Sun's entrance into the four Cardinal Signs.

- He enters Aries March 9, 38 min. past 8 at night.
- He enters Cancer June 10, 48 min. past 9 at night.
- He enters Libra Sept. 12, 51 min. past 2 afternoon.
- He enters Capricorn Decem. 11, 57 m. past 2 morn.

Note that the Splendid Planet *Venus* is our bright evening Star from the beginning of the year unto the 18 of June; and thence (having made her Conjunction with the Sun) She becomes Oriental, and our glorious morning Star to the end of the year.

Dove 1681.

A brief account of the most remarkable passages which have happened in England since the year, 1640.

Time expired this year 1681.

- 1640 The long Parliament began Nov. 3. The Earl of Straford beheaded May 12 following.
- 1641 May 2 the Prince of Orange was married to the Lady Mary. The same year Oct. 23 the Rebellion in Ireland began.
- 1642 Sir J. Horham denies the King entrance into Hull. The Earl of Essex made general for the Parliament. The King setteth up his Standard at Nottingham. The battel at Edge-Hill October 23, where above 5000 were slain.
- Brainford Fight November 13 and 14.
- 1643 The Lord Brook shot in the eye. The Battel on Hopton-Heath, March 21. Chesfide-Croft demolished, and an Act passed for an Assembly of Divines to settle Religion, and likewise a vote for a new Great Seal.
- Sir William Waller routed by the Kings forces.
- The first Battel at Newbury, September 20.
- The Covenant. That Bond of iniquity taken by the house of Commons, September 25.
- 1644 The Scotch-Army of 10000 Horse and Foot entered England, Marlton-moor fight July 2, where above 7000 were slain.
- This year came divers Ambassadors from France, Holland and Spain, to mediate between the King and Parliament.
- Newbury second Battel, Octob. 27.
- 3 Suns seen in London, Novemb. 19.

Sir

Sir Thomas Fairfax made General in the room of
Essex.

1645 The Arch-Bishop of Cant. beheaded Jan. 10.

The Parliament vote that the clause for preservation
of his Majesties person should be left out of Sir Tho
Fairfax his Commission, March 24.

Oxford closely besieged, May 22.

The fatal Battel at Naseby, June 14.

Carlisle after a long siege delivered to the Scots.

Bristol surrendered September 11. Roulton-Heath Bat
tel. September 24.

Basing House taken by storm, October 14.

Dartmouth stormed and taken, and Belvoire-Castle
surrendered.

His Royal Majesty offered at this time to come to the
Parliament, and advise with them for the good of
the Nation upon reasonable conditions, but they
would not consent to it.

1646 The Earl of Essex died September 14.

The treacherous Scots sold the King to the Parlia-
ment for 400000 pounds.

1647 His Majesty was brought prisoner to Holmby, 34
Feb. 17.

The City declares against the Army, but upon the
Armies approach they submit.

1648 The Parliament vote that no further addresses be 33
made to the King, January 30.

Part of the Navy declare for the King, May 27.

Maidstone fight, May 31. The Welch Army of 8400
routed by Col. Horton.

Duke Hamilton entered England with an Army for his
Majesty Colchester yielded, Sir Charles Lucas and
Sir George Lisle shot to death, August 28.

The Treaty began in the Isle of Wight, Septem-
ber 18.

An Ordinance nominating divers persons to try
the

.1 Decr 1651.

the King December 25, being tendered to the Lords
Was by them refused.

1649 The pretended High Court of Justice proclaimed
January 9.

His Royal Majesty most barbarously murdered,
Jan. 30.

1650 The Kings Statue erected in the Royal Exchange.
broken down by the Usurpers, Feb. 10.

A great fight at Dunbar in Scotland, Septemb. 3.

1651 King Charles II. Crowned at Schoon in Scotland
Jan. 1.

The Scotch Army again enter England Aug. 18.
Worcester fight Septemb. 3: 3000 slain and 10000
taken prisoners.

1652 A great Sea fight between the English and Dutch,
wherein the Dutch were worsted.

1653 The Rump Parliament dissolved by the Army,
April 10.

A second fight between the English and Dutch,
June 2, 3.

A third fight July 29 and 30, wherein Vroncamp was
slain.

1654 Oliver the Tyrant summond a Parliament, Sep. 3
and dissolved it again the 22 of January following,
he was proclaimed Protector Jan. 26.

1656 The River of Thames ebbed and flowed twice in
hours, October 3.

1658 Dunkirk surrendered to the English, June 24.
Oliver died September 27, and the next day his son was
proclaimed Protector.

1659 White-hall and Somerset house voted to be sold
May 16. Sir George Booth up in Cheshire, May 31.

1660 The Lord General Monk marcheth from Scotland to
London.

The secluded Members restored. February 28.
Admiral Montague with the whole Navy taken Oath his
Ma

Dece 1681.

Majesty, May 2. and the 1 his Majesty was proclaimed in London, the 25 he landed at Dover, and the 29 at White-hall.

General Monk created Duke of Albemarle, July 12.

The Duke of Gloucester died, September 13.

About this time many of the Regicides were executed.

The Queen mother returned to Whitehall, November 2.

1661 King Charles II Crowned at Westminster, April 23. 20

The Queen of Bohemia came to London, May 17.

1662 Queen Katherine landed at Portsmouth May 14, and the 23 of Aug. following she came to White-hall. 19

1664 The House of Commons voted his Majesty a supply of 250000 pounds sterling. 17

Three Comets appeared in a short time.

1665 The Great Plague in London began Apr. 25, whereof died 10000. 16

A great fight between the Eng. and Dutch June 3, wherein the Dutch were beaten.

The Parliament voted his Majesty a supply of 1250000 pounds, October 21.

1666 Another fight between the English and Dutch June 2, 3, 4. a third fight in Aug. following. 15

The sad fire in London which burned within the walls of Parishes, & much building without, Sept. 3, 4, 5, 6.

1672 War proclaimed against the Dutch, March 23. 9

1673 Several sea fights between the English and Dutch. 8

1674 A Peace concluded between the English and Dutch, Feb. 9. 7

The Duke of Monmouth Installed Chancellor of Cambridge, September 2.

1677 The Prince of Orange married to the Lady Mary 4

1678 St Edmund Bury Godfrey murdered Oct. 3

1680

66

02

85

46

18

01

44

06

08

01

01

A 4

Jan

January hath xxxi days.

Last quarter 8 day, 34 min. past 3 afternoon
 New moon 9 day, 53 min. past 7 at night
 First quarter 17 day, 29 min. past 4 in the morning
 Full moon 23 day, 7 min. past 10 at night
 Last quarter 31 day, 20 min. past noon.

1	a	Circumcision	Libra	30	23	5	Sharp frosty
2	b	2 Sun. af. Chr.	Scorp.	2	23	6	weather.
3	c	Octab. John		14	24	8	Δ 8 7. m.
4	d	Octab. Innoc.		25	25	9	
5	e	Edward	Sagr.	8	26	10	Cold & hates.
6	f	Epiphany		19	27	11	9. Scar. ad Dir.
7	g	Ced. bis. Lond.	Capr.	1	28	12	
8	a	William		14	29	14	5 max dis. Δ 20
9	b	1 aft. Epiph.		26	0	15	Windy clear
10	c	Paul Hermit	Aquar.	8	1	16	and temperate
11	d	Agnes		21	2	17	weather.
12	e	Arcadius	Pisc.	4	3	18	□ 2 7. m.
13	f	Hilary Bish.		17	4	19	8. U.
14	g	Felicia	Aries	1	5	20	9. Scar. ad R.
15	a	Marcellinus		14	6	21	Δ 3 20
16	b	2 aft. Epiph.		28	7	22	
17	c	Anthony	Taur.	12	8	23	
18	d	Malca		26	9	24	High winds
19	e	Wolfstan	Gem.	10	10	25	with snow.
20	f	Octab. Hilar.		25	11	26	
21	g	Agnes Virg.	Canc.	9	12	27	Δ 5 2 10. m.
22	a	Vincent		24	13	28	8 10. p.
23	b	2 aft. Epiph.	Leo	8	14	29	Much snow
24	c	Term begins		21	15	30	but not very
25	d	Conv. S. Paul	Virgo	6	16	31	9. Scar. ad Di.
26	e	Dolycarpus		10	17	31	8 9. m.
27	f	Quint. Hilar.	Libra	3	18	32	Δ 6 6.
28	g	Carolus mag.		15	19	33	cold for the
29	a	Stilas Ab.		28	20	33	season.
30	b	K. Cha. I. Mar.	Scorp	10	21	34	
31	c	Adamant		22	22	35	

No sooner doth the old year's cold expire,
 But a new year comes with more fierce attire;
 Whose more rigid habit, and paler face,
 The splendor of his youthfull days disgrace.

January 1681.

1	8	4	3	56
2	8	3	3	57
3	8	2	3	58
4	8	0	4	0
5	7	59	4	1
6	7	58	4	2
7	7	57	4	3
8	7	55	4	5
9	7	54	4	6
10	7	52	4	8
11	7	51	4	9
12	7	50	4	10
13	7	48	4	12
14	7	47	4	13
15	7	46	4	14
16	7	45	4	15
17	7	44	4	16
18	7	42	4	18
19	7	40	4	20
20	7	38	4	22
21	7	36	4	24
22	7	34	4	26
23	7	32	4	28
24	7	30	4	30
25	7	28	4	32
26	7	26	4	34
27	7	24	4	36
28	7	22	4	38
29	7	20	4	40
30	7	18	4	42
31	7	16	4	44

February hath xxviii days.

New moon 3 day, 2 min. after noon
 First quarter the 15 day, 23 min. past noon
 Full moon the 22 day, 17 min. past 11 before noon

M.D.	M.D.	Festival days with Terms	Moons place.	Plac. d. m.	Inclination of the air.
1	D	Agathus	Sagitt.	4 23 35	Good season-
2	E	Purification		15 24 36	able snowy
3	F	Craft. Purif.		27 25 37	Δ 2 3 4. p.
4	G	Gilbertus	Capr.	9 26 37	weather.
5	A	Agatha		22 27 38	* 2 3 6. p.
6	B	Gertrudis	Aquar.	4 28 38	Something
7	C	Remigius		17 29 39	colder now.
8	D	Sun in Pisces	Pisces	0 30 39	Δ 2 3
9	E	Appollonia		14 1 40	
10	F	Octab. Purif.		27 2 40	
11	G	Euphrosina	Aries	11 3 40	
12	A	Term ends		25 4 41	
13	B	Shrove Sund.	Taur.	9 5 41	□ 1 2 18. p.
14	C	Valentine		24 6 41	Cold rainy
15	D	Shrove wedsd.	Gem.	7 7 42	weather with
16	E	Ash wednesd.		21 8 42	some snow.
17	F	Fina	Canc.	5 9 42	
18	G	Simcon		19 10 42	
19	A	Reca	Leo	3 11 42	
20	B	1 Sun. in Lent		17 12 42	
21	C	Clmbret	Virgo	1 13 42	Windy with
22	D	Cathedr. Petri		15 14 42	□ 2 3 6. m.
23	E	Ember week		28 15 42	snow but pret-
24	F	S. Matthias	Libra	11 16 42	ty warm for
25	G	Johannes		23 17 42	the season.
26	A	Alexander	Scorp.	6 18 42	
27	B	2 Sun. in lent		18 19 42	
28	C	Oswald B.Y.	Sagitt.	0 20 42	

The Heavens now do weep, and keep the Earth,
 And snows keep warm things of a forward birth
 Making Earth fit to entertain the Spring,
 When Plants, Beasts, Fish, & Fowl their like do bring.

February 1681.

1	7	14	4	46
2	7	12	4	48
3	7	10	4	50
4	7	8	4	52
5	7	6	4	54
6	7	4	4	56
7	7	2	4	58
8	7	0	5	60
9	6	58	5	2
10	6	56	5	4
11	6	54	5	6
12	6	52	5	8
13	6	50	5	10
14	6	48	5	12
15	6	46	5	14
16	6	44	5	16
17	6	42	5	18
18	6	40	5	20
19	6	38	5	22
20	6	36	5	24
21	6	34	5	26
22	6	32	5	28
23	6	30	5	30
24	6	28	5	32
25	6	26	5	34
26	6	24	5	36
27	6	22	5	38
28	6	20	5	40

March hath xxiii days.

Last quart. 2 day, 47 min. past 9 in the morning.
 New moon 10 day, 44 min. past 11 in the morning.
 First quarter 18 day, 48 min. past 9 at night.
 Full moon 24 day, 25 min. past 1 in the morning.

1	D	Devin	Sagit.	12	21	41	Windy boiske-
2	E	Cass		23	22	41	rous rainy
3	F	Lucius	Capr.	5	23	41	☉ ☉ ☉ 9. p.
4	G	Menloc. Ab.		17	24	40	weather.
5	A	Willgite	Aquar.	0	25	40	☿ ☉ ☉ 10. p.
6	B	3 fund. in lent		12	26	40	
7	C	Aquinas		25	27	39	
8	D	Perpetua	Pisces	8	28	39	
9	E	Francisca		22	29	38	
10	F	San in Aries	Aries	6	0	38	Indifferent
11	G	Offwin		20	1	37	warm but
12	A	Gregory	Taur.	5	2	36	* ☉ ☉ 4.2.
13	B	Midlent Sun.		19	3	36	windy and
14	C	Leoniph	Gem.	4	4	35	turbulent.
15	D	Arctobulus		18	5	34	☿ ☉ ☉ 5.2.
16	E	Alrehe Ab.	Canc.	2	6	33	
17	F	Patrick		16	7	33	
18	G	Edward R.	Leo	0	8	32	
19	A	Joseph		13	9	31	
20	B	5 San. in Len.		27	10	30	* ☉ ☉ 7. P.
21	C	Benedic	Virgo	10	11	29	☿ ☉ ☉
22	D	Seppidians		23	12	28	
23	E	Egbert	Libra	6	13	27	
24	F	Lanfranch		19	14	26	Cold and
25	G	Lady day	Scorp.	2	15	25	cloudy with
26	A	William Nor.		14	16	24	☿ ☉ ☉ 0.
27	B	Palm Sunday		26	17	23	rain about
28	C	Fremund	Sagit.	8	18	22	☿ ☉ ☉ 9.2.
29	D	Waltheb		20	19	20	☿ ☉ ☉
30	E	Patrone	Capr.	1	20	19	this time.
31	F	Adelme		13	21	18	

Variable weather now expect to find,
 Sometimes cold & churlish, sometimes mild & kind;
 For now since Hyem all his force doth bring,
 To stop the progress of the pleasant Spring.

March 1682.

1	6	18	5	42
2	6	16	5	44
3	6	14	5	46
4	6	12	5	48
5	6	10	5	50
6	6	8	5	52
7	6	6	5	54
8	6	4	5	56
9	6	2	5	58
10	6	0	6	0
11	5	58	6	2
12	5	56	6	4
13	5	54	6	6
14	5	52	6	8
15	5	50	6	10
16	5	48	6	12
17	5	46	6	14
18	5	44	6	16
19	5	42	6	18
20	5	40	6	20
21	5	38	6	22
22	5	36	6	24
23	5	34	6	26
24	5	32	6	28
25	5	30	6	30
26	5	28	6	32
27	5	26	6	34
28	5	24	6	36
29	5	22	6	38
30	5	20	6	40
31	5	18	6	42

April hath xxx days.

Last quarter 1 day, 16 min. past 6 in the morning
 New moon 8 day, 4 min. past 11 before noon
 First quarter 15 day, 27 min. past 1 in the morning
 Full moon 22 day, 30 min. past 4 after noon
 Last quarter 30 day, 35 min. past 7 at night.

1	B	Good friday	Capr.	25	23	16	Good season-
2	B	St. Marks	Aquar.	8	23	15	able mild flow-
3	B	Easter day		20	24	13	ry weather.
4	C	Eulre	Pis.	3	25	12	but variable.
5	D	Blusent		16	26	10	
6	E	Ethelswold	Aries	0	27	9	♂ Star. ad di.
7	F	Edigine Ab.		14	28	7	♀ ♀ 10 p.
8	G	Egghus		20	29	6	♀ Star. ad R.
9	G	Sun in Taurus	Taur.	14	0	4	
10	B	Low Sunday		29	1	2	
11	C	Leo Pope	Gem.	14	2	1	
12	D	Hugh		28	3	59	Windy & dry.
13	E	Justine	Canc.	13	3	57	
14	F	Eiburtius		27	4	55	Δ ♂ ☉ 3.2
15	G	Offwald	Leo	10	5	53	
16	G	Trans. Alban		24	6	52	
17	B	2 aft. Easter	Virgo	7	7	50	♂ ☉ ♀ 4.2.50
18	C	Quind. Pasc.		20	8	48	
19	D	Elphege	Libra	3	9	46	
20	E	Term begins		15	10	44	
21	F	Anselm		28	11	42	
22	G	Stoter	Scorp.	10	12	40	
23	G	S. Gheron		22	13	38	
24	B	3 Sun. af. East.	Sagit.	4	14	36	Moist and mu-
25	C	S. Mar. Euan.		16	15	34	bulent about
26	D	Tres Pasch.		28	16	31	this time.
27	E	Walburg	Capr.	10	17	29	
28	F	Vitalis		22	18	27	* ♀ ☉ 1.2.
29	G	Peter Mart.	Aquar.	4	19	25	(* h ☉ 1 p.
30	G	Erkenwald		16	20	23	

The Heavens now their richer Treasures spend
 On the languid craving Earth, to the end
 It may revive, and copiously produce
 Things, both for delight and necessary use.

April 1681.

1	5	16	6	44
2	5	14	6	46
3	5	12	6	48
4	5	10	6	50
5	5	8	6	52
6	5	6	6	54
7	5	4	6	56
8	5	2	6	58
9	5	0	7	60
10	4	58	7	2
11	4	56	7	4
12	4	54	7	6
13	4	52	7	8
14	4	50	7	10
15	4	48	7	12
16	4	46	7	14
17	4	44	7	16
18	4	42	7	18
19	4	40	7	20
20	4	38	7	22
21	4	36	7	24
22	4	34	7	26
23	4	32	7	28
24	4	30	7	30
25	4	28	7	32
26	4	26	7	34
27	4	24	7	36
28	4	22	7	38
29	4	20	7	40
30	4	18	7	42

May hath xxxi days.

New moon 7 day, 12 min. past 7 at night.
 First quarter 14 day, at 11 before noon.
 Full moon 22 day, 19 min. past 7 in the morning.
 Last quarter 30 day, 42 min. past 8 in the morning.

1	B	Phil. & Jac.	Aquar.	28	21 20	
2	C	Maig. Pasch.	Pisc.	11	22 18	D U.
3	D	Maig. Cruc.		25	23 16	
4	E	Jonica	Aries	8	24 13	S. S. addir.
5	F	Aligbe		23	25 11	Windy and
6	G	Job. Port. Lar	Taur.	7	26 8	was at the
7	A	Stanislaus		22	27 6	beginning.
8	B	Rogation Sun.	Gem.	7	28 3	
9	C	Quinq. Pasch.		23	29 1	
10	D	Epimachus	Cancr.	7	29 58	Indifferent
11	E	Sun in Gem.		22	OH 56	warm & clear
12	F	Holy Thursd.	Leo	7	1 53	weather with
13	G	Craft. Ascen.		10	2 51	winds.
14	A	Boniface	Virg.	4	3 48	
15	B	Sun. aft. Asc.		17	4 46	D O.
16	C	Term ends	Libra	9	5 43	
17	D	Botolph		13	6 40	
18	E	Seckels Bif.		25	7 38	
19	F	Andentiana	Scorp.	7	8 35	A O O 1. P.
20	G	Ethelbert		19	9 32	* O O 10. P.
21	A	Gedrich	Sagit.	1	10 30	Windy show-
22	B	Whit Sunday		13	11 27	ery and hot
23	C	William Reb.		25	12 24	* O O 10. P.
24	D	Joan Widow	Capr.	7	13 21	towards the
25	E	Ember week		18	14 19	side.
26	F	Justin B. C.	Aquar.	1	15 16	
27	G	Heda Priest		13	16 13	* O O 10. P.
28	A	Thomas Ab.		25	17 10	Sarat. ad R.
29	B	Trinity Sund.	K. Ch. 2 n.	18	7	D U
30	C	Craft. Trin.	Pisces	20	19 5	O O O 5. P.
31	D	Metronella	Aries	3	20 2	

Of the basest feeds, which buried lay
Underneath the cold clouds, so close inured,
As if such glory they could be re-awared.

1	4	22	7	38
2	4	21	7	39
3	4	19	7	41
4	4	17	7	43
5	4	16	7	44
6	4	14	7	46
7	4	13	7	48
8	4	11	7	49
9	4	9	7	51
10	4	7	7	53
11	4	6	7	54
12	4	5	7	55
13	4	4	7	56
14	4	3	7	58
15	4	2	7	59
16	4	0	8	0
17	3	59	8	1
18	3	58	8	2
19	3	57	8	3
20	3	56	8	4
21	3	55	8	5
22	3	54	8	6
23	3	53	8	7
24	3	52	8	8
25	3	51	8	9
26	3	50	8	10
27	3	49	8	11
28	3	48	8	12
29	3	47	8	13
30	3	46	8	14
31	3	45	8	14

June hath xxx days.

New moon 6 day, 3 min. past 1 in the morning
 First quarter 12 day, 54 min. past 8 at night
 Full moon 20 day, 46 min. past 10 at night
 Last quarter 28 day, 25 min. past 6 at night.

1	e	Amphylus	Aries	17	20	59	
2	f	Cyprian Christi	Taur.	1	21	56	Turbulent
3	e	Term begins		16	22	53	weather with
4	a	Petroch	Gem.	1	23	50	thunder bo-
5	b	1 Sun. af. Trin.		16	24	47	gins the
6	c	Octab. Trin.	Canc.	1	25	45	month.
7	d	Paulus		16	26	42	☿ ☽ ♀ 3 p.
8	e	William Bish	Leo	1	27	39	
9	f	Felicianus		16	28	36	
10	e	Margaret	Virg.	0	29	33	
11	a	S. Barnabas		13	05	30	☽ ♀ ☿
12	b	2 Sun. af. Trin.		27	1	27	☿ ☽ ♀ 11 p.
13	c	Quind. Trin.	Libra	9	2	24	☿ ☽ ♀ 12 p.
14	d	Basil magnus		22	3	21	Not stormy
15	e	Severus	Scorp.	4	4	18	weather.
16	f	Richard		16	5	15	
17	e	Isotoph		28	6	12	
18	a	Marcus	Sagit.	10	7	9	☿ ☽ ♀ 4 p.
19	b	3 Sun. af. Trin.		22	8	6	
20	c	Tref. Trin.	Capric.	3	9	3	☿ ☽ ♀ ☿
21	d	Walburg		16	10	1	Pretty tempe-
22	e	Term ends		28	10	58	sties, but
23	f	Paulinus	Aquar.	9	11	55	windy and
24	e	S. John Bapt.		22	12	52	showery.
25	a	Amphibalus	Pisces	4	13	49	☽ ☿ ☿
26	b	4 Sun. af. Trin.		17	14	46	☽ ☽ ☽ 8 a.
27	c	Levinus	Aries	0	15	43	
28	d	Leo II. Pope		13	16	40	
29	e	S. Pet. & Paul		26	17	37	
30	f	Com. S. Paul	Taur.	10	18	34	

Not long the gay Fields will thus verdant be,
 But soon a change you'll find, and quickly see,
 The flowers to decay, the grass to fade,
 Which into wither'd hay is timely made.

1	3	46	8	14
2	3	45	8	15
3	3	45	8	15
4	3	45	8	15
5	3	44	8	16
6	3	44	8	16
7	3	44	8	16
8	3	43	8	17
9	3	43	8	17
10	3	43	8	17
11	3	43	8	17
12	3	43	8	17
13	3	43	8	17
14	3	43	8	17
15	3	43	8	17
16	3	44	8	16
17	3	44	8	16
18	3	44	8	16
19	3	45	8	15
20	3	45	8	15
21	3	45	8	15
22	3	46	8	14
23	3	46	8	14
24	3	46	8	14
25	3	47	8	13
26	3	47	8	13
27	3	48	8	12
28	3	49	8	11
29	3	50	8	10
30	3	51	8	9

June 1681.

July hath xxxi days.

New moon 5 day, 41 min. past 9 before noon
 First quarter 12 day, 41 min. past 10 before noon
 Full moon 20 day, 19 min. past 1 afternoon
 Last quarter 28 day, 26 min. past 2 in the morning.

1	B	Romfild B.	Taur.	25	19 31	
2	a	Vitt. Mary	Gem.	9	20 28	* ♀ ♀ ♀ ♀
3	B	5 Sun. af. Trin.		24	21 25	Most foully
4	C	Elricus	Canc.	9	22 21	Weather but
5	D	Anclanus		24	23 20	holds not long.
6	E	Serburga	Leo	9	24 17	Stormy now
7	F	Tr. Thom. C.		24	25 14	with thunder.
8	G	Gambold A.	Virg.	8	26 11	Hot & hazy
9	a	Edilburg		22	27 9	Temperate
10	B	6 Sun. af. Trin.	Libra	5	28 6	and clear.
11	C	Stua P. & M.		18	29 3	
12	D	Sun in Leo	Scorp.	1	00 0	Stat. ad di.
13	E	Anacletus		13	0 57	
14	F	Benavent.		25	1 55	More hot now
15	G	Swithin B.	Sagit.	7	2 52	with thunder.
16	a	Olmond		19	3 49	
17	B	7 Sun. af. Trin.	Capr.	0	4 46	* ♀ ♀ 3-p
18	C	Kosina		12	5 44	
19	D	Dog days beg.		24	6 41	Windy with
20	E	Margaret	Aquar.	6	7 38	rain.
21	F	Daniel		19	8 36	
22	G	Mary Mag.	Pisces	1	9 33	
23	a	Spollinaris		14	10 30	* ♀ ♀ ♀ ♀
24	B	8 Sun. af. Trin.		27	11 28	
25	C	S. James Apo.	Aries	10	12 25	Not very hot
26	D	Anna		23	13 23	now, but very
27	E	Joseph Arim.	Taur.	7	14 20	changeable.
28	F	Celsus		20	15 18	
29	G	Bartha	Gem.	4	16 15	
30	a	Abdon		19	17 13	
31	B	9 aft. Trin.	Canc.	3	18 10	

Now fields are white to Harveſt, forth you go
 With ſythes and ſickles, to reap down and mow:
 So the ſitting flower of Earth's glory muſt
 Be mow'd down, and level'd with the duſt.

1	3	538	7
2	4	548	6
3	5	558	5
4	6	568	4
5	7	578	3
6	8	588	2
7	9	598	1
8	10	608	0
9	11	17	59
10	12	37	57
11	13	47	56
12	14	57	55
13	15	77	53
14	16	87	52
15	17	107	50
16	18	117	49
17	19	137	47
18	20	157	45
19	21	177	43
20	22	197	41
21	23	217	39
22	24	227	38
23	25	247	36
24	26	267	34
25	27	277	33
26	28	297	31
27	29	307	30
28	30	327	28
29	31	337	27
30	32	357	25
31	33	377	23

July 1681.

August hath xxxi days.

New moon 3 day, 58 min. past 4 afternoon
 First quarter 11 day, 4 min. past 12 in the morning
 Full moon 19 day, 49 min. past 8 in the morning
 Last quarter 26 day, 8 min. past 8 in the morning.

1	C	Lambas day	Canc.	18	19	8	Hot moist
2	B	Stephanus	Leo	3	20	6	weather at the
3	E	Invent. Steph.		18	21	3	beginning.
4	F	Dominick	Virg.	3	22	1	☿ ☽.
5	B	Martin		16	23	59	Heat abates
6	A	Eugenius	Libra	0	23	56	now.
7	AB	10 after Trin.		13	24	54	♂ ♀ 11. p.
8	C	Cyprianus		26	25	52	Clear and
9	D	Julian	Scorp.	9	26	50	temperate.
10	E	Assurance		21	27	47	
11	F	Gilbert B. C.	Sagit.	3	28	45	☿ Stat. ad R.
12	B	Clare Virg.		15	29	43	☿ ☽ 7. p.
13	B	Sun in Virgo		27	0	41	☿ ☽ 6. p.
14	AB	11 after Trin.	Capr.	9	1	30	* ♀ ☽ 8. m.
15	C	Nicodemus		21	2	37	Very hot now
16	B	Edith	Aquar.	3	3	35	with thunder.
17	E	Lambert		15	4	32	
18	F	Victor		27	5	31	D ☽.
19	B	Clintock	Pisces	10	6	29	
20	A	Bernard		23	7	27	* ♀ ☽ 5. a.
21	AB	12 after Trin.	Aries	7	8	25	
22	C	Timothy		20	9	23	Dry and
23	B	Zachens fast	Taur.	3	10	22	windy toward
24	E	S. Bartholom.		17	11	20	the end.
25	F	Leodeg King	Gem.	1	12	18	* ☽ ♀ 10. p.
26	B	Zophetue		15	13	16	
27	A	Rufus		29	14	15	
28	AB	Dog days end	Canc.	13	15	13	
29	C	Decol. J. Bapt.		28	16	12	
30	B	Cecilia Virg.	Leo	12	17	10	
31	E	Expian		26	18	8	

New Harvest's almost in, the Countrys breast
 Is possest with joy, smiles their cheeks invest;
 They whoop and sing, as if that welcome Carr
 Drew home the very treasure of their heart.

1000

1	4	38	7	22
2	4	39	7	21
3	4	41	7	19
4	4	43	7	17
5	4	44	7	16
6	4	46	7	14
7	4	48	7	12
8	4	50	7	10
9	4	52	7	8
10	4	54	7	6
11	4	56	7	4
12	4	58	7	2
13	5	0	7	0
14	5	2	6	58
15	5	4	6	56
16	5	6	6	54
17	5	8	6	52
18	5	10	6	50
19	5	12	6	48
20	5	14	6	46
21	5	16	6	44
22	5	18	6	42
23	5	20	6	40
24	5	22	6	38
25	5	24	6	36
26	5	26	6	34
27	5	28	6	32
28	5	30	6	30
29	5	32	6	28
30	5	34	6	26
31	5	36	6	24

August 1681.

September hath xxx days,

Record of the days of the month

New moon 2 day, 44 min. past 2 in the morning
 First quarter 9 day, 8 min. past 8 at night
 Full moon 17 day, 6 min. past 4 in the afternoon
 Last quarter 24 day, 4 min. past 1 afternoon.

1	f	Stiles Abbot	Virgo	11	19	7	♂ ♀ 4. p.
2	g	Adrian		24	20	1	♂ Star and dir.
3	g	Euphemus	Libra	8	21	4	♂ ♀ 4. a.
4	B	14 after Trin.		21	22	5	☾ ☽ 4. a.
5	c	Algotinus	Scorp.	4	23	1	☾ ☽ 4. a.
6	d	Magnus		17	24	0	☾ ☽ 4. a.
7	e	Dunstan		29	24	59	☾ ☽ 4. a.
8	f	Nat. of Mary	Sagit.	11	25	57	☾ ☽ 4. a.
9	g	Gorgonius		23	26	56	☾ ☽ 4. a.
10	g	Nicholas	Capr.	5	27	55	☾ ☽ 4. a.
11	B	15 after Trin.		17	28	54	☾ ☽ 4. a.
12	c	Canisius		28	29	53	☾ ☽ 4. a.
13	d	Sun in Libra	Aquar.	11	0	52	☾ ☽ 4. a.
14	e	Exalt. Crucis		23	1	51	☾ ☽ 4. a.
15	f	Plcomedes	Pisces	6	2	50	☾ ☽ 4. a.
16	g	Euphemis		19	3	49	☾ ☽ 4. a.
17	g	Lambert	Aries	2	4	48	☾ ☽ 4. a.
18	B	16 after Trin.		16	5	47	☾ ☽ 4. a.
19	c	Januaris	Taur.	0	6	46	☾ ☽ 4. a.
20	d	Fausta		14	7	45	☾ ☽ 4. a.
21	e	Ember Week	S. Matth		8	44	☾ ☽ 4. a.
22	f	Maurice	Gem.	12	9	44	☾ ☽ 4. a.
23	g	Edoas		26	10	43	☾ ☽ 4. a.
24	g	Winfibald	Canc.	10	11	42	☾ ☽ 4. a.
25	B	17 after Trin.		24	12	42	☾ ☽ 4. a.
26	c	Cyprian	Leo	8	13	41	☾ ☽ 4. a.
27	d	Col. & Dam.		22	14	41	☾ ☽ 4. a.
28	e	Aloba	Virgo	6	15	40	☾ ☽ 4. a.
29	f	S. Mich. Arch.		20	16	40	☾ ☽ 4. a.
30	g	Jerome P.	Libra	3	17	39	☾ ☽ 4. a.

Where's now Earth's beauty you did late admire;
 The fields yield nought but stubble for the fire:
 Alas! how soon Sweet Summer days are gone;
 Sol apace declines, Winter that comes on.

September 1681.

1	5	39	6	22
2	5	40	6	20
3	5	42	6	18
4	5	44	6	16
5	5	46	6	14
6	5	48	6	12
7	5	50	6	10
8	5	52	6	8
9	5	54	6	6
10	5	56	6	4
11	5	58	6	2
12	5	59	6	1
13	6	0	6	0
14	6	2	5	58
15	6	4	5	56
16	6	6	5	54
17	6	8	5	52
18	6	10	5	50
19	6	12	5	48
20	6	14	5	46
21	6	16	5	44
22	6	18	5	42
23	6	20	5	40
24	6	22	5	38
25	6	24	5	36
26	6	26	5	34
27	6	28	5	32
28	6	30	5	30
29	6	32	5	28
30	6	34	5	26

October hath xxxi days

New moon 1 day, 10 min. past 3 afternoon
 First quarter 9 day, 21 min. past 3 afternoon
 Full moon 17 day, 5 min. past 2 in the morning
 Last quarter 23 day, 2 min. past 8 at night
 New moon 31 day, 44 min. past 6 in the morning.

1	a	Demigins	Libra	16	18 30	☿ ☿ ☿ 1. p.
2	AB	18 after Trin.	Scorp.	0	19 38	△ h ☿ 2. p.
3	c	Gerrard Ab.		12	20 38	□ ☿ ☿ 3. p.
4	D	Francis		25	21 38	
5	e	Blacibus	Sagit.	7	22 37	♂ ☿ ☿ 9. p.
6	f	Beuno		19	23 37	Windy wet
7	g	Spark	Capr.	1	24 37	weather begins
8	a	Demetrius		13	25 37	the month.
9	AB	12 after Trin.		25	26 37	
10	c	Paulin B. Y.	Aquar.	6	27 36	Boisierous &
11	D	Burchard		19	28 36	very like to
12	e	Wolfrid	Pisces	1	29 36	D ☿.
13	f	Sun in Scorp.		14	0m 36	* ☿ ☿ 6. p.
14	g	Calixtus		27	1 36	fnow.
15	a	Ceresa	Aries	10	2 36	
16	AB	20 after Trin.		24	3 37	
17	c	Florence	Taur.	8	4 37	
18	D	S. Luke Evan.		23	5 37	
19	e	Stolemy	Gem.	7	6 37	☿ h ☿ 2.
20	f	Tref. Mich.		22	7 37	△ ☿ ☿ 17. p.
21	g	Ursula	Canc.	7	8 38	Now expect
22	a	Cordula		21	9 38	cold rainy
23	AB	21 after Trin.	Leo	5	10 38	weather to the
24	c	Term begins		19	11 39	end.
25	D	Crispian	Virgo	3	12 39	☿ ☿.
26	e	Charistius		16	13 39	
27	f	Mens. mich. fa.		29	14 40	* h ☿ 14 p.
28	g	Sim. & Jude	Libra	13	15 40	
29	a	Barcliff		25	16 41	
30	AB	22 after Trin.	Scorp.	8	17 41	
31	c	Quintine		21	18 42	

Dame Tell us now her Summers store resigns
 Unto dear Autumn; Frost and Snow combine
 Fields to disrobe, the forlorn trees to bare,
 And tawny twiggss to cloath with hoary hair.

October 1681.

1	6	39	5	21
2	6	41	5	19
3	6	43	5	17
4	6	45	5	15
5	6	47	5	13
6	6	49	5	11
7	6	50	5	10
8	6	52	5	8
9	6	54	5	6
10	6	56	5	4
11	6	58	5	2
12	7	0	5	0
13	7	2	4	58
14	7	4	4	56
15	7	6	4	54
16	7	8	4	52
17	7	10	4	50
18	7	12	4	48
19	7	14	4	46
20	7	16	4	44
21	7	17	4	43
22	7	19	4	41
23	7	20	4	40
24	7	22	4	38
25	7	24	4	36
26	7	25	4	35
27	7	27	4	33
28	7	29	4	31
29	7	30	4	30
30	7	32	4	28
31	7	33	4	27

November hath xxx days.

First quarter 8 day, 39 min. past 10 in the morning
 Full moon 15 day, 9 min. past 4 afternoon
 Last quarter 22 day, 51 min. past 5 in the morning
 New moon 30 day, 57 min. past 12 in the morning.

1	d	All Saints	Sagit.	3	19 43	△ ♀ ⊙ 14.p.
2	e	All souls		15	20 43	♂ Stat. ad R.
3	f	Craft. Anim.		27	21 44	△ ♀ ♀ 9.4.
4	B	Winfride	Capr.	9	22 44	Variable and
5	a	Powder plot		21	23 45	uncertain
6	B	23 after Trin.	Aquar.	3	24 46	weather, but
7	c	Will debyode		15	25 47	♂ Stat. ad R.
8	d	Clauding		27	26 47	□ ♀ ♀ 5.a.
9	e	Theodoze	Pisces	9	27 48	D. V.
10	f	Erasmus		22	28 49	cold & frosty.
11	B	Martine	Aries	5	29 50	
12	a	Craft. Mart.	Sun in	2.	0 251	
13	B	24 after Trin.	Taur.	2	1 52	
14	c	Aspence		17	2 53	
15	d	Reopold	Gem.	1	3 54	
16	e	Edmond		16	4 55	Cold rain or
17	f	Hugh	Canc.	1	5 56	snow.
18	B	Octab. Mart.		16	6 57	△ ♀ ⊙ o.
19	a	Bontion	Leo	1	7 58	
20	B	25 after Trin.		15	8 59	
21	c	Present Mary	Virgo	0	10 0	△ ♀ ♀ 7.p.
22	d	Cicely Vurg.		13	11 1	Tempestuous
23	e	Clement		26	12 2	about this
24	f	Chrysogonus	Libra	10	13 3	time, but not
25	B	Quind. Mart.		22	14 4	very cold.
26	a	Peter	Scorp.	5	15 5	♀ Stat. ad R.
27	B	Advent Sund.		17	16 6	
28	c	Term ends	Sagit.	0	17 7	♂ ♀ ♂ 11.p.
29	d	Saturnus		11	18 8	
30	e	S. Andrew		24	19 9	

Winter's oft compar'd to Adversity,
 When mirth is banisht, and no room for joy
 is left; but sure in Winter there remains
 Some heart-cheering fruit of kind Summer gains.

November 1681.

		Sun-riſing.		Sun-ſetting.	
		h	m	h	m
1	7	35	4	25	
2	7	37	4	23	
3	7	39	4	21	
4	7	41	4	19	
5	7	43	4	17	
6	7	45	4	15	
7	7	47	4	13	
8	7	49	4	11	
9	7	51	4	9	
10	7	52	4	8	
11	7	54	4	6	
12	7	55	4	5	
13	7	57	4	3	
14	7	59	4	2	
15	8	0	4	0	
16	8	1	3	59	
17	8	2	3	58	
18	8	3	3	57	
19	8	4	3	56	
20	8	5	3	55	
21	8	6	3	54	
22	8	7	3	53	
23	8	8	3	52	
24	8	9	3	51	
25	8	10	3	50	
26	8	11	3	49	
27	8	12	3	48	
28	8	13	3	47	
29	8	13	3	47	
30	8	14	3	46	

December hath xxxi days.

First quarter 8 day, 37 min. past 4 in the morning

Full moon 15 day, 33 min. past 1 in the morning

Last quarter 21 day, 9 min. past 8 at night

New moon 29 day, 17 min. past 8 at night.

1	f	Daniel	Capr.	6	20 11	Δ 2 2 3. 2.
2	f	Albane		18	21 12	Not very cold
3	a	Ancius King		29	22 13	for the season.
4	B	2 sun. in Adv.	Aquar.	11	23 15	* ♂ ♀ 0.
5	c	Abbas		23	24 16	
6	B	Nicholaus	Pisces	5	25 17	D ♀.
7	c	Ambrose		18	26 18	
8	f	Conce. of M.	Aries	0	27 20	
9	B	Leocadia		13	28 21	
10	a	Malchiades		27	29 22	Good season-
11	B	3 sun. in Ad.	Taur.	10	0 23	able weather.
12	c	Elfrede		25	1 25	
13	B	Lucia	Gem.	9	2 26	
14	c	Ember week		25	3 27	
15	f	Hilda Abbess	Canc.	10	4 29	Δ 5 2 2.
16	B	O Sapientia		25	5 30	
17	a	Ananias	Leo	10	6 31	
18	B	4 sun. in Ad.		25	7 33	♂ ♀ ad dir.
19	c	Pemethius	Virgo	10	8 34	D ♂.
20	B	Julianus fa.		23	9 35	Cold gloomy
21	c	S. Thomas	Libra	6	10 36	dark weather
22	f	Theodosius		19	11 38	with snow.
23	B	Wicoria	Scorp.	3	12 39	
24	a	Edg. & Eb. fa.		14	13 40	
25	B	Christ's birth		27	14 42	Windy and
26	c	S. Stephen	Sagit.	9	15 43	♂ ♀ 11. 2.
27	B	S. John		21	16 44	frosty to the
28	c	Innocents	Capr.	3	17 45	end.
29	f	Tho. Becket		14	18 47	
30	B	Eustachius		26	19 48	
31	a	Albiker.	Aquar.	8	20 49	

Hyem the crazy earth with moisture fills,
 And with his cold her Vegetables kills;
 Which though nipt with cold yet of it there's need
 Vermin to destroy, and the noxious weed.

December 1681.

1	8	14	3	46
2	8	14	3	46
3	8	15	3	45
4	8	15	3	45
5	8	15	3	45
6	8	16	3	44
7	8	16	3	44
8	8	16	3	44
9	8	17	3	43
10	8	17	3	43
11	8	17	3	43
12	8	17	3	43
13	8	17	3	43
14	8	17	3	43
15	8	17	3	43
16	8	16	3	44
17	8	16	3	44
18	8	16	3	44
19	8	15	3	45
20	8	15	3	45
21	8	15	3	45
22	8	14	3	46
23	8	14	3	46
24	8	13	3	47
25	8	12	3	48
26	3	11	3	49
27	3	10	3	50
28	8	9	3	51
29	3	8	3	52
30	3	7	3	53
31	8	6	3	54

A Regal Table in a more exact manner.

The Year, Month, and Day, (accounting the Year to be- gin Jan. 1.) whereon every K. and Q. of Eng. since the Conq. began their reign.			The number of Years, Moneths, & Days, that eve- ry K. & Q. reign. 38 da. to a mon.			The year of y. since they began to reign: as also since they ended.		
K. W. Conq.	1066	Octob. 14	20 y	11 m	22 d	615		
W. Rufus	1087	Sept. 9	12 y	11 m	18 d	594	W. Conq.	
Henry	1100	August 1	35 y	4 m	11 d	581	W. Rufus	
Stephen	1134	Decem. 2	18 y	11 m	18 d	546	Henry	
Henry	1154	Octob. 25	34 y	9 m	1 d	527	Stephen	
Richard	1189	July 6	9 y	9 m	0 d	492	Henry	
John	1199	April 6	17 y	7 m	0 d	484	Richard	
Henry	1216	Octob. 19	56 y	1 m	0 d	465	John	
Edward	1272	Nov. 16	34 y	8 m	6 d	409	Henry	
Edward	1307	July 7	19 y	7 m	5 d	374	Edward	
Edward	1327	Jan. 25	50 y	5 m	7 d	555	Edward	
Richard	1377	June 21	22 y	3 m	14 d	304	Edward	
Henry	1399	Sept. 29	13 y	6 m	3 d	282	Richard	
Henry	1413	Marc. 20	9 y	5 m	24 d	268	Henry	
Henry	1422	Aug. 31	38 y	6 m	16 d	259	Henry	
Edward	1461	March 4	22 y	1 m	8 d	221	Henry	
Edward	1483	April 9	0 y	2 m	18 d	198	Edward	
Richard	1483	June 22	2 y	2 m	5 d	198	Edward	
Henry	1485	Aug. 22	23 y	10 m	24 d	196	Richard	
Henry	1509	April 22	37 y	10 m	2 d	172	Henry	
Edward	1547	Jan. 28	6 y	5 m	19 d	135	Henry	
Q. Mary	1553	July 6	5 y	4 m	22 d	128	Edward	
Q. Elizab.	1558	Nov. 17	44 y	4 m	25 d	121	Q. Mary	
K. James	1603	Mar. 24	22 y	0 m	3 d	79	Q. Elizab.	
Charles	1625	Mar. 27	22 y	10 m	3 d	56	K. James	
Charles	1649	Jan. 30	Longlive the King			32	K. Charles	

The use of this Table in Example.

King Henry 8 began his Reig. in the year of Christ. 1509, April 21. He Reigned 37 years, 10 moneths, and 2 days. It is since he began his Reig. 172 years complet the 22 of April this year 1681. Now to know the time since the end of his Reig. before his name standing on the right hand, you shall there find 135 years since he died, January 28. And so of the rest.

Dove 1681.

The latter part of this
ALMANACK

For the year of our
Lord God 1681 :

Being the first after Bissextile or
Leap-year.

Wherein are contained the Eclipses
a Tide-Table, the Numbers, Weights, and
Measures used in England; a brief Table
of Accounts exemplified in its uses, a Ta-
ble of Interest, and a Table shewing the
distance of all the chief Towns in *England*
and *Wales* each from other, and their si-
tuation from London.

*Quoniam video Caeli tuos opera digitorum tuo-
rum: Lunam & Stellam quae in firmamento
homo, quod memores ejus? aut filius hominis, quo-
niam visitas eum. Psalm. 8. 3.*

C A M B R I D G E,

Printed by *John Hayes*, Printer to the
University, 1681.

Decr 1681.

Of the Eclipses this year:

Our Eclipses will happen this year, viz. two of the Sun, and two of the Moon, but there will be but one visible to us in these Islands, and that will be the latter Eclipse of the Moon.

The first Eclipse will be of the Moon, February the 13 day, in 15 degrees of Virgo, at 11 beforenoon, and will be visible to our Antipodes.

The second Eclipse will be of the Sun, March the 10 day, at one in the morning, and therefore cannot be seen by us: it happens in the beginning of Aries, and will shew it self to our Antipodes.

The third will be of the Moon, August the 12 day, at 3 in the morning, which will be visible to us, and we may behold above 10 digits of the Moons body eclipsed, it falls in 6 degrees of Virgo.

The fourth and last Eclipse will be of the Sun, September the 2 day, at 3 in the morning, in 20 degrees of Virgo which cannot be seen by us, and will be but small where most visible.

The most material Aspects, Characters, and Qualities of the Planets.

Conjunction	Sig.	gra.	♄ Saturn	Cold and dry
♊ Sextile	♊	60	♃ Jupiter	Hot and moist
♈ Quare	♈	90	♂ Mars	Hot and dry
♊ Trine	♊	120	☉ Sol	Hot & dry temperate
♈ Opposition	♈	180	♀ Venus	Cold & moist temperate
♊ Dragons h.	♊		☿ Mercury	Cold and dry variable
♈ Dragons tail	♈		♁ Luna	Cold and moist

1681.

A Table whereby you may find the time of Highwater at many Havens in and about England, and how many hours and minutes are to be added to the time of the Moons coming to the South for the time of high water, and likewise what Moon makes a full Sea at those Havens.

South and North	Quinborough, Southamton, Port, Ho.M mouth, Isle of Wight, Spitz, Repulh- knock.	
S. by W.	Rochester, Malden, Aberdeen, Redband.	0 45
S. S. W.	Gravelen, Downs, Romney, Tenet, Silly.	1 30
S. W. by S.	Dundee, S. And. S. Lucas, Deilue, Holyll.	2 15
S. W.	Dont, Thimote, Harppool, Whitebay, Amf.	3 0
S. W. by W.	Burwic, Falmouth, n. Bridgton, Bay.	3 45
W. S. W.	Scarborow, Severn, Mounts Bay, K. gale.	4 30
W. by S.	Newcast, Humber, Falmouth, Dartmout.	5 15
E. and w	Plimouth, Weymou, Hull, Lyn, Antwerp.	6 0
E. by S.	Bristol, Foulness at the start.	6 45
E. S. E.	Milford, Bridge w. Landsen, Waterford.	7 30
SE. by E.	Parlan, Plover, Harlow, H. g. Dubl.	8 15
S. E.	Pool, S. Helen Orkney, Carnes, Mah. Me.	9 0
SE. by S.	Needles, L. 10, North & South forelands	9 45
S. S. E.	Yarmout, Dover, Harwich, Calice-Road.	10 30
S. by E.	Ry, Winchelsey, Gorce, Thame, Rhodes.	11 15
Moons	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	age

is South	12	1	2	3	4	5	6	7	8	9	10	11	12	H.		
R.	48	36	24	12	0	48	36	24	12	0	48	36	24	12	0	M.

The Tide Table Explained.

IN the first Column you have the poine of the Compass I to the which the Moon coming maketh full Sea at those Havens mentioned in the second Column, and in

Done 1681.

the third Column are the hours and minutes to be added to the time of the Moons setting. I shall make it plain by an example.

The 23 of February, this year 1681 I would know at what hour it will be full Sea at London-bridge. First I find the Moons age in the former part of the Almanack, (accounting it from the Change) to be 15 days old, which age I find at the bottom of the Tide table, and under the same 12 hours, the time of the Moon coming to the South, then finding in the first Column that a South-west Moon makes full Sea at London. I add to her setting 3 hours as is shewed in the last Column, and it makes 15 hours, from whence I take 12 for midnight & there remains 3 hou. in the morning, the time of full Sea at London-Bridge; also observe that when the Moon cometh to the contrary (or North-east) point it is there full Sea again.

*Of some measures, weights, and numbers
used in England.*

Ale and Beer is measured by Pints, Quarts, Pottles, Gallons, Firkins, Kilderkins, and Barrels; yet with this difference, that the Barrel of Beer contains 36 Gallons, the Barrel of Ale but 32 Gallons.

First therefore you are to understand, that in Beer-measure one Barrel is 2 Kilderkins, 4 Firkins, 36 Gallons, 72 Pottles, 144 quarts, 288 Pints.

Secondly, one Kilderkin is 2 Firkins, 18 Gallons, 36 Pottles, 72 Quarts, or 144 Pints.

Thirdly, one Firkin is 9 Gallons, 18 Pottles, 36 Quarts, 72 Pints.

Fourthly,

DEUT 1681.

Fourthly, 1 Gallon is 2 Pottles, 4 Quarts, or 8 Pints.

Fifthly, 1 Pottle is 2 Quarts, 4 Pints. One Quart is 2 Pints.

But in Ale measure, one Barrel is 2 Kilderkins, 4 Firkins, 32 Gallons, 64 Pottles, 128 Quarts, 256 Pints.

Secondly, 1 Kilderkin is 2 Firkins, 16 Gallons, 32 Pottles, 64 Quarts, or 128 Pints.

Thirdly, 1 Firkin is 8 Gallons, 16 Pottles, 32 Quarts, or 64 Pints.

Fourthly, 1 Gallon is 2 Pottles, 4 Quarts, 8 Pints.

Fifthly, 1 Pottle is 2 Quarts, or 4 Pints 1 Quart 2 Pints.

Of Wine, oyl, and honey.

A Gallon of Wine contains 8 pound Troy-weight, by which the following vessels are measured; namely, 1 Tun makes 2 Butts, 4 Hogheads, 8 Barrels, 14 Rundlets, 252 Gallons, 504 Pottles, 1008 Quarts, or 2016 Pints.

Secondly, 1 Butt or Pipe is 2 Hogheads, 4 Barrels, 7 Rundlets, 126 Gallons, 252 Pottles, 504 Quarts, or 1008 Pints.

Thirdly, 1 Hoghead makes 2 Barrels, 3 Rundlets & an half, 63 Gallons, 126 Pottles, 252 Quarts or 504 Pints.

Fourthly, 1 Barrel makes 1 Rundlet & 3 parts, 1 Gallon and an half, 63 Pottles, 126 Quarts, 252 Pints.

Fifthly, 1 Rundlet is 18 Gallons, 36 Pottles, 64 Quarts or 128 Pints. Lastly, 1 Gallon is 2 Pottles, 4 Quarts, or 8 Pints.

Of grain.

All sort of Grain is measured by Troy-weight, whereof 8 pounds make a Gallon, of which are made the following measures of Pints, Quarts, Gallons Pecks, and Bushels.

First you are to know, that the greatest measure of any

Days 1681.

kind of Grain is a Last, which contains 10 Quarters, 20 Cornooks, or Coomings, 40 Strikes, 80 Bushels, 320 Pecks, 640 Gallons, 2560 Quarts, or 1280 Pints.

Secondly, 1 Quarter makes 2 Cornooks, 4 Strikes, 8 Bushels, 32 Pecks, 64 Gallons, 256 Quarts, or 128 Pints.

Thirdly, 1 Strike is 2 Bushels, 8 Pecks, 16 Gallons, 32 Pottles, 64 Quarts, or 128 Pints.

Fourthly, one Bushel is 4 Pecks, 8 Gallons, 16 Pottles, 32 Quarts, or 64 Pints.

Fifthly, 1 Peck is 2 Gallons, 4 Pottles, 8 Quarts, or 16 Pints.

Of Iron and Lead.

Iron is numbered by the pound, hundred, and Tun; and Lead by the pound, hundred, and Fodder. One Tun of Iron is 10 hundred, or 2240 pound; and an hundred weight is 112 pound.

Again, 1 Fodder of Lead is 9 hundred and an half, and an hundred weight is 112 pound.

And here also take notice, that Tin, Copper, and Latten have 112 pounds to the hundred.

Of Fish.

Linck, Cod, or Haberdine, have 124 to the hundred; Stock Fish and Herring 100 to the hundred, and 10000 to the Last, which is 1280 Bushels. Some Statutes measure Salmon, and Bels by Ale measure.

Of Furs.

Grays, Martins, Sables, Jenys, Minks, and Filches, have 4 skins in the Timber. Lamb, Coney, Kid, Cat, and Budge, have five to the hundred.

Calves skins are reckoned by the dozen, and Goats by the kip, which is 50 skins. A Last of Leather is 20 Dickers, or 200 Hides, a Dicker is 10 Hides.

of

Done 1681.

Of Paper and Parchment.

A Bale of Paper is 10 Ream, or 100 Quires; 1 Ream is 20 Quires, or 500 Sheets; 2 Quire is 25 Sheets.
A Rowl of Parchment is 3 dozen, or 60 Skins; 1 dozen is 12 Skins.

Of Wooll.

A Stone of Wooll is 14 pound, a Tod 28 pound; 6 Tods and an half make a Wey, which is 182 pound; two Weys make a Sack or 364 pound; and 12 Sacks make a Last, which is 4368 pound: so that a Sack of Wooll contains 26 Stone, and a Last 356 Tods, or 312 Stone.

Of a year.

AN exact solar year contains 365 days, 5 hours, 49 minutes, and 4 seconds: otherwise it contains 12 solar moneths, 52 weeks, 365 days 8765 hours, or 525949 minutes.

Of Weights in general.

OF Weights there are two sorts used in England, viz. Troy weight and Avoirdupois. In Troy weight 24 grains of wheat make a peny weight, 20 peny weight make an ounce, 12 ounces 1 pound. by this weight are weighed Pearls, precious Stones, Gold, Silver, Bread, and all manner of Corn and Grain.

The pound Avoirdupois contains 16 ounces, but the ounce Avoirdupois is lighter then the ounce Troy by almost one 12 part, so that 60 pound Avoirdupois is equal to 73 pound Troy; by this weight is weighed all Grocery-ware, Flesh, Butter; Cheefe, Iron, Hemp, Tallow, Wax, Lead, and all things whereof comes ware.

A Table of Accounts.

The Price of Commodity by the Tun, Hundred, Pound, Ounce, Dozen, Yard, Ell, &c.

The Quantity of the Commodity to be bought or sold.

	1 Farth.			1 Penny.			3 Pence.			4 Pence.			10 Pence.		
	l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.
1	0	0	1	0	0	1	0	0	3	0	0	4	0	0	10
2	0	0	2	0	0	2	0	0	6	0	0	8	0	1	20
3	0	0	3	0	0	3	0	0	9	0	1	0	0	2	30
4	0	1	0	0	0	4	0	1	0	0	1	4	0	3	40
5	0	1	1	0	0	5	0	1	3	0	1	8	0	4	50
6	0	1	2	0	0	6	0	1	6	0	2	0	0	5	60
7	0	1	3	0	0	7	0	1	9	0	2	4	0	6	70
8	0	1	4	0	0	8	0	2	0	0	2	8	0	7	80
9	0	1	5	0	0	9	0	2	3	0	3	0	0	8	90
10	0	1	6	0	0	10	0	2	6	0	3	4	0	9	100
20	0	2	0	0	0	1	0	0	0	0	6	0	0	16	200
30	0	2	6	0	0	1	0	6	0	0	9	0	0	24	300
40	0	3	0	0	0	2	0	0	0	0	12	0	0	32	400
50	0	3	6	0	0	2	0	6	0	0	15	0	0	40	500
60	0	3	12	0	0	3	0	0	0	0	18	0	0	48	600
70	0	3	18	0	0	3	0	6	0	0	21	0	0	56	700
80	0	3	24	0	0	4	0	0	0	0	24	0	0	64	800
90	0	3	30	0	0	4	0	6	0	0	27	0	0	72	900
100	0	4	0	0	0	5	0	0	0	0	30	0	0	80	1000
120	0	4	8	0	0	6	0	0	0	0	36	0	0	96	1200
140	0	4	16	0	0	7	0	0	0	0	42	0	0	112	1400
160	0	4	24	0	0	8	0	0	0	0	48	0	0	128	1600
180	0	4	32	0	0	9	0	0	0	0	54	0	0	144	1800
200	0	5	0	0	0	10	0	0	0	0	60	0	0	160	2000
220	0	5	8	0	0	11	0	0	0	0	66	0	0	176	2200
240	0	5	16	0	0	12	0	0	0	0	72	0	0	192	2400
260	0	5	24	0	0	13	0	0	0	0	78	0	0	208	2600
280	0	5	32	0	0	14	0	0	0	0	84	0	0	224	2800
300	0	5	40	0	0	15	0	0	0	0	90	0	0	240	3000
320	0	5	48	0	0	16	0	0	0	0	96	0	0	256	3200
340	0	5	56	0	0	17	0	0	0	0	102	0	0	272	3400
360	0	5	64	0	0	18	0	0	0	0	108	0	0	288	3600
380	0	5	72	0	0	19	0	0	0	0	114	0	0	304	3800
400	0	5	80	0	0	20	0	0	0	0	120	0	0	320	4000
420	0	5	88	0	0	21	0	0	0	0	126	0	0	336	4200
440	0	5	96	0	0	22	0	0	0	0	132	0	0	352	4400
460	0	5	104	0	0	23	0	0	0	0	138	0	0	368	4600
480	0	5	112	0	0	24	0	0	0	0	144	0	0	384	4800
500	0	5	120	0	0	25	0	0	0	0	150	0	0	400	5000
520	0	5	128	0	0	26	0	0	0	0	156	0	0	416	5200
540	0	5	136	0	0	27	0	0	0	0	162	0	0	432	5400
560	0	5	144	0	0	28	0	0	0	0	168	0	0	448	5600
580	0	5	152	0	0	29	0	0	0	0	174	0	0	464	5800
600	0	5	160	0	0	30	0	0	0	0	180	0	0	480	6000
620	0	5	168	0	0	31	0	0	0	0	186	0	0	496	6200
640	0	5	176	0	0	32	0	0	0	0	192	0	0	512	6400
660	0	5	184	0	0	33	0	0	0	0	198	0	0	528	6600
680	0	5	192	0	0	34	0	0	0	0	204	0	0	544	6800
700	0	5	200	0	0	35	0	0	0	0	210	0	0	560	7000
720	0	5	208	0	0	36	0	0	0	0	216	0	0	576	7200
740	0	5	216	0	0	37	0	0	0	0	222	0	0	592	7400
760	0	5	224	0	0	38	0	0	0	0	228	0	0	608	7600
780	0	5	232	0	0	39	0	0	0	0	234	0	0	624	7800
800	0	5	240	0	0	40	0	0	0	0	240	0	0	640	8000
820	0	5	248	0	0	41	0	0	0	0	246	0	0	656	8200
840	0	5	256	0	0	42	0	0	0	0	252	0	0	672	8400
860	0	5	264	0	0	43	0	0	0	0	258	0	0	688	8600
880	0	5	272	0	0	44	0	0	0	0	264	0	0	704	8800
900	0	5	280	0	0	45	0	0	0	0	270	0	0	720	9000
920	0	5	288	0	0	46	0	0	0	0	276	0	0	736	9200
940	0	5	296	0	0	47	0	0	0	0	282	0	0	752	9400
960	0	5	304	0	0	48	0	0	0	0	288	0	0	768	9600
980	0	5	312	0	0	49	0	0	0	0	294	0	0	784	9800
1000	0	5	320	0	0	50	0	0	0	0	300	0	0	800	10000

The description and use of the foregoing Table.

THe Table consisteth of several Columns, the first Column towards the left hand contains the quantity of any Commodity bought or sold from 1 Pound, 1 Yard, 1 Ell, 1 Dozen, 1 Peck, 1 Bushell, 1 Pipe, 1 Barrell, &c. in this order beginning at 1 & ending at 100, at the top of the Table is the Price of any Commodity from 1 Farth, the Pound, Yard, &c. to 10 pence, as 1 farthing, 1 peny. 3 pence, 4 pence, 10 pence: so likewise in the lowermost Columns from 1 shilling to 1 pound, as 1 shill. 3 shill. 5 shill. 1 pound but some examples will make it plain.

First then at 19 the pound what will 70 pound weight comes to look in that col. that hath 1 farth, at the head thereof, & against 70 in the 1st col. you shall find 1s 5d 2q & so much will 70 pound weight cost at 1 far. the pound, in like manner is to be done for any such like question.

Secondly, suppose a pound, yard, &c. cost 1s 4d 1q what will 50 cost? first look 50 in the first col. & right against it in that col. that hath 1s on the head you will find 2l 10s 0d then look in the Col. that hath 4d over it and against 50 in the first Col. you shall find 0l 16s 8d so likewise in the Col. whose title is one farthing you shall find against 50 1s 0d 2q write down these three summs and add them together thus

thus may you see that 50 yards at 1s 4d 1q
the yard will cost 3l 7s 8d 2q so 150 yards
will be three times so much 100, 4 times,
suppose again 1 quart of any thing cost

	l.	s.	d.	q.
thus may you see that 50 yards at 1s 4d 1q	2	10	0	0
the yard will cost 3l 7s 8d 2q so 150 yards	0	16	8	0
will be three times so much 100, 4 times,	0	1	0	2
suppose again 1 quart of any thing cost	3	7	8	2

5 pence or 9d now these you will not find in the Table but you may find 4d & 1d and 4d 3d and 1d which doubled will make 9d which write out severally and add them together, as for example at 5d the pound what will 20 cost, look in the Col. whose title is 4d and against 20 in the first Col. you will find 6s 8d and in the Col. whose title is 1 peny you will find 1 8

so much will 20 po. weight cost, the sum 8 4 at 5d the pound, and if it be demanded what 150 pound will cost, first look what 100 comes to, then 50 and add them together and you shall have your desire, and so for brevity sake is to be done for any the like question.

Dove 1681.

A plain and easie Table shewing the true Interest due upon any sum of money from five shillings to an hundred pounds, for a year or under, after the rate of six pounds in the hundred.

	1 Mon.			3 Mon.			6 Mon.			9 Mon.			A year.		
	sh	p	q	sh	p	q	sh	p	q	sh	p	q	sh	p	q
5	0	0	10	0	0	30	1	30	1	20	3	1			
10	0	0	20	0	1	30	3	20	5	00	7	0			
15	0	0	30	0	2	20	5	10	8	20	10	2			
20	0	1	00	0	3	20	7	00	10	21	2	1			
25	0	2	10	0	7	01	2	11	9	12	4	2			
30	0	3	20	0	10	21	9	12	7	33	6	3			
35	0	4	30	0	12	13	4	23	6	34	9	0			
40	0	5	40	0	16	03	0	04	6	06	0	0			
45	0	6	50	0	19	23	7	05	4	27	2	1			
50	0	7	10	0	22	04	2	16	3	18	4	2			
55	0	8	20	0	24	24	9	17	3	19	6	3			
60	0	9	30	0	28	15	4	28	0	310	9	0			
65	0	10	40	0	32	00	6	00	9	00	12	0			
70	0	1	50	0	36	00	12	00	18	01	4	0			
75	0	2	10	0	40	00	18	01	27	01	16	0			
80	0	3	20	0	44	00	24	01	36	02	8	0			
85	0	4	30	0	48	01	30	02	45	03	0	0			
90	0	5	40	0	52	01	36	02	54	03	12	0			
95	0	6	50	0	56	02	42	03	63	04	4	0			
100	0	7	10	0	60	02	48	04	72	05	8	0			
105	0	8	20	0	64	03	54	04	81	06	0	0			
110	0	9	30	0	68	03	60	05	90	07	2	1			
115	0	10	40	0	72	04	66	05	99	08	4	2			
120	0	1	50	0	76	04	72	06	108	09	6	3			
125	0	2	10	0	80	05	78	06	117	10	8	4			
130	0	3	20	0	84	05	84	07	126	11	0	0			
135	0	4	30	0	88	06	90	07	135	12	2	1			
140	0	5	40	0	92	06	96	08	144	13	4	2			
145	0	6	50	0	96	07	102	08	153	14	6	3			
150	0	7	10	0	100	07	108	09	162	15	8	4			
155	0	8	20	0	104	08	114	09	171	16	0	0			
160	0	9	30	0	108	08	120	10	180	17	2	1			
165	0	10	40	0	112	09	126	10	189	18	4	2			
170	0	1	50	0	116	09	132	11	198	19	6	3			
175	0	2	10	0	120	10	138	11	207	20	8	4			
180	0	3	20	0	124	10	144	12	216	21	0	0			
185	0	4	30	0	128	11	150	12	225	22	2	1			
190	0	5	40	0	132	11	156	13	234	23	4	2			
195	0	6	50	0	136	12	162	13	243	24	6	3			
200	0	7	10	0	140	12	168	14	252	25	8	4			

Find the principal in the first Column, & in the other you have the interest due for one, three, six, nine, or twelve months.

Days 1681.

A Table shewing the Distance of all the chief Towns in England, and Wales, each from other; with their Situation from LONDON.

	London	Windsor	Bu. kingha	Guildford	Dorchester	Oakham	Bath	Bristol	Bedford	Barwick	Canterbury	Colchester
Gloucester n.w.	85	63	45	74	69	67	28	27	62	213	128	80
Ely N.	51	56	45	71	135	36	104	111	27	204	73	94
Exeter W.	138	118	119	118	40	149	60	60	137	194	177	105
Durham N.	200	186	155	104	232	121	188	190	150	62	216	223
Darby N.W.	96	89	56	105	132	39	90	93	58	162	133	123
Carlisle N. W.	229	209	175	224	239	146	196	195	176	61	247	141
Colchester. N.E.	42	60	68	67	144	73	126	130	51	235	39	87
Cambridge N.	44	50	36	61	126	39	98	103	20	213	67	83
Coventry. N.w.	76	65	32	70	106	27	64	72	41	190	117	96
Chester N.W.	144	128	95	141	143	80	104	100	105	152	182	136
Chichester. S.w.	47	38	67	24	66	105	68	78	75	285	75	
Canterbury. S.E.	46	64	87	62	140	105	130	138	80	275		
Barwick N.	250	247	215	264	291	181	250	248	212			
Bedford N.	40	36	17	52	110	30	80	84				
Bristol W.	95	75	67	79	44	92	10					
Bath W.	88	67	62	70	40	91						
Oakham N.	60	66	30	81	128							
Dorchester S.w.	102	84	93	79								
Guildford S.w.	35	16	48									
Wick nigh. N.w	44	33										
Windsor W.	19											

	Chester	Coventry	Cambridge	Colchester	Carlisle	Darby	Durham	Exeter	Ely
Gloucester	80	41	81	112	172	65	164	85	88
Ely	116	60	12	37	173	65	143	165	
Exeter	144	123	155	178	240	147	240		
Durham	100	130	154	178	45	102			
Darby	50	28	69	102	120				
Carlisle	96	145	181	210					
Colchester	153	90	35						
Cambridge	118	56							
Coventry	65								

York

Dove 1681.

	London	Windsor	ack upha	Ju ldford	Dorchester	Oakham	Bath	riflow	Bedford	Barwick	Canterbury	Chichester
York N.	150	140	108	155	150	73	150	150	108	108	169	79
Bangor N. w.	175	163	131	174	157	120	123	116	143	163	120	124
S. Alaph N. w.	160	145	113	157	150	99	114	107	123	153	100	170
S. Davids W.	190	171	152	176	122	162	108	100	169	250	335	175
Llandaff W.	117	96	85	100	55	107	32	25	103	145	163	100
Harcford N.	18	25	32	37	108	58	85	91	22	232	56	61
Worcest. N.w.	87	74	46	83	87	55	46	45	61	204	134	95
Shrewsb. N.w.	122	107	76	118	116	70	77	72	86	176	164	130
Warw ck N. w.	72	61	28	74	99	33	60	61	40	196	15	80
Well. W.	100	79	78	79	29	107	16	16	94	263	140	74
Winchest. S w.	55	37	55	31	47	92	43	52	68	268	84	26
Taunton S. w.	118	98	96	96	30	123	34	31	115	275	160	89
Stafford N. w.	107	96	63	110	122	48	83	80	71	168	149	126
Salisbury S. w.	70	53	61	48	33	96	28	36	77	266	111	42
Rochester S.E.	25	42	65	41	120	88	110	116	58	264	22	59
Peterbor. N.	61	62	37	76	131	16	97	100	25	188	92	100
Oxford N. w.	47	29	16	40	77	52	46	53	32	227	90	56
Norwich N.F.	80	91	85	102	174	70	150	150	66	202	78	124
Newcastle N.	200	200	168	216	195	134	205	200	164	48	227	225
Notting. N.w.	96	86	55	103	137	22	97	100	53	160	128	123
Northam. N.w	52	44	13	59	105	25	72	75	15	204	93	80
Lancast. N.w.	179	166	133	180	192	105	150	150	134	100	211	198
Lincoln N.	100	96	69	113	158	33	124	122	62	151	126	135
Lichfield N.w.	95	85	52	99	117	37	77	75	80	174	138	116
Leicester N.w.	76	69	37	84	121	12	84	84	37	178	125	105
Lancceston w.	170	150	148	147	73	173	85	81	165	304	210	134
Kendal N. w.	200	179	143	191	205	114	165	160	144	90	218	209
Ipswich N.E.	55	72	75	78	155	74	133	140	58	230	49	100
Huntington N.	47	49	30	64	125	26	92	97	14	202	80	87
Hereford N.w.	105	84	63	93	77	75	40	35	78	213	147	100

York

Dove 1681.

Chichester

72
124
170
91
100
61
95
130
90
74
26
89
126
42
59
100
56
125
235
13
80
198
138
116
103
136
209
100
87
100

York
Bangor
S. Asaph
S. Davids
Llandaff
Hartford
Worcester
Shrewsbury
Warwick
Wells
Winechester
Taunton
Stafford
Salisbury
Rochester
Peterborough
Oxford
Norwich
Newcastle
Nottingham
Northampton
Lancaster
Lincoln
Litchfield
Leicester
Lanuceston
Kendal
Ipswich
Huntington
Hereford

Chelster	Coventry	Cambridge	Colchester	Carlisle	Darby	Durham	Exeter	Ely	Gloucester	Hereford	Huntington
75	85	114	133	80	59	48	263	96	123	118	94
41	102	157	192	103	92	125	148	156	103	83	144
20	83	136	172	94	71	107	147	138	90	73	123
108	134	188	220	189	144	207	91	191	108	90	176
93	80	123	150	190	100	190	50	129	41	35	114
126	62	22	37	97	80	172	140	33	75	92	30
62	28	78	113	153	48	145	100	84	18	20	68
27	46	103	137	123	45	123	120	103	52	37	90
67	8	57	91	150	35	136	117	61	33	42	46
115	82	112	136	210	58	205	43	122	42	50	107
133	79	80	95	123	106	209	85	91	56	76	80
124	100	133	155	120	124	220	24	140	60	62	126
33	31	84	120	120	23	111	132	83	54	47	72
127	79	92	111	220	107	208	68	103	48	45	90
162	98	51	35	132	116	204	158	60	107	125	63
28	41	25	57	156	41	128	156	20	75	86	13
100	40	50	77	185	67	169	105	60	35	55	46
145	95	49	42	183	93	147	204	40	27	140	55
111	145	166	188	45	115	13	254	155	76	168	155
61	31	61	94	122	11	100	154	56	70	74	48
90	26	33	66	164	45	144	131	38	50	64	23
50	102	144	176	46	78	57	194	138	26	114	130
80	54	62	88	121	35	92	178	53	94	98	50
45	20	74	109	127	19	115	128	73	49	46	61
70	17	50	83	139	21	119	140	47	56	63	35
152	145	183	208	244	116	253	33	19	107	602	177
63	113	151	182	34	86	48	207	146	138	126	139
155	95	40	13	107	104	172	190	38	120	134	52
105	44	13	48	170	55	142	153	25	72	86	
64	47	98	129	160	65	156	85	10	20		

York

York

Dove 1681.

	plowch	kepool	laun. lion	u. ether	Litchfield	Lincoln	Leicester	Northamp	Nottingh.	Newcastle	Norwich	Oxford
York	147	58	110	71	74	44	58	95	53	61	104	
Doncor	194	78	144	109	81	121	65	128	02	132	186	
S. Alaph	173	62	150	88	61	99	51	107	81	117	164	
S. Davids	225	83	179	130	125	178	51	155	54	218	230	
Lindsey	180	56	109	93	81	132	92	92	103	178		
Hartford	48	67	192	60	81	80	57	35	73	184	66	
Worcester	118	30	120	40	31	80	108	47	56	158	122	
Sturveysary	141	89	135	56	31	81	70	71	56	134	137	
Watwick	97	78	140	24	28	62	107	38	39	150	99	
Wells	147	78	170	98	90	138	82	87	114	218	161	
Witcher	100	69	177	89	95	124	78	67	107	221	128	
Tamworth	168	85	143	118	108	151	74	108	130	234	182	
Ratford	143	83	148	96	94	138	78	58	34	123	117	
Salisbury	122	83	180	95	93	152	78	93	110	220	140	
Rocheley	48	102	190	55	112	113	91	73	111	216	76	
Peterborough	58	127	182	28	52	38	118	28	30	142	54	
Oxford	80	152	199	36	68	84	80	25	68	181	100	
Norwich	31	62	155	27	60	68	122	77	83	157		
Newcastle	183	56	109	34	118	109	68	158	114			
Northampton	94	94	173	18	18	19	81	43				
Northampton	71	113	158	20	49	57	122	62				
Leicester	194	73	161	90	84	89	50	67				
Lincoln	84	95	106	38	94		52	64				
Litchfield	113	93	150	36	60		55	74				
Leicester	84	108	163	92			71	62				
Leicester	218	114	201	104			111	62				
Wendal	180	82	158	45			10	22				
22	1401	201	201	201	201	201	201	201				
26												

	Pierces.	Recheſter	Salisbury	Stafford	Taunton	Wincheſter	Wells	Warwick	Shrewſbur	Worceſter	Hartford	London	S. Davids	S. Aſaph	Bangor
York	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
Bangor	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
S. Aſaph	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
S. Davids	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
London	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
Hartford	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
Worceſter	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
Shrewſbur	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
Warwick	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
Wells	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
Wincheſter	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
Taunton	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
Stafford	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
Salisbury	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110
Recheſter	134	100	150	73	180	163	166	92	90	105	144	155	135	100	110

The Explanation and uſe of the foregoing Tables.

The Tables conſiſting of four Pages, and ſome-
 more, are put into continued Table divided by
 reſon of the ſhortneſs, and narrowneſs of the Pages;
 on the ſides and top of each Page, are the names of
 all the chief Towns in England and Wales, in an Al-
 phabetical order, beginning on the ſides at the bottom,
 where you ſhall find three or four at the bottom of
 the firſt Page, regular; W. being the beginning of the
 firſt Town. ſo likewiſe at the top of the ſecond Page,
 you ſhall find the ſame irregularity, which are matters
 of no moment. To find the diſtance of two places,
 look for the names of the Places, the one on the ſides
 the other on the top, and direct your eye right againſt
 the one, and right under the other, and the common
 angle of meeting will ſhew you the diſtance.

As for example, ſuppoſe you deſire the diſtance be-
 tween *Briſtow* and *London*, right againſt *Briſtow* and
 right

right under *London* you will find 93 which is the distance in miles sought for; suppose likewise you desire the distance between *Bristow* and *Dorchester*, right against the one, and right under the other, you will find 44 miles, the distance desired; suppose also the distance between *Cambridge* and *Barwick* be sought, look right against *Cambridge* and right under *Barwick*, and in the common angle of meeting you will find 213 miles, the distance sought: again suppose the distance between *Bristow* and *Chichester* be desired; now if you look *Bristow* on the side, in the first page, and *Chichester* on the top, you will see that the figures against *Bristow*, do not extend so far as to meet with those right under *Chichester*, they neither being continued so low as to close with those against *Bristow*; now therefore look *Bristow* on the top, and *Chichester* on the side, and you shall find right against *Chichester*, and right under *Bristow*, in the common angle of meeting 78 miles, the distance sought, and so is to be done in the like case for any other Places; if you find the figures do not meet, do but change the places of the *Tavels* from the side to the top, or from the top to the side, and you shall not fail of their distance, as in the last Table in the first Page, if you desire the distance between *Carlisle* and *Ely*, *Carlisle* on the side and *Ely* on the top do not meet, then look *Carlisle* on the top, and *Ely* on the side, and you shall find in the common angle of meeting 177 miles the distance sought: and if you find the name of one Place in one Page, and cannot find the other in the top of the same, or conversely, look in the next Page, and you shall not fail.

There is lately published *Thesaurus Linguae Sacrae Referens*, &c. being a Concordantial Hebrew Lexicon, or Dictionary, in which all the Hebrew Words are successively comprehended, and the whole Hebrew Concordance of every Word of the Hebrew Bible grammatically resolved, &c. By William Robertson A. M. To be sold by G. Sawbridge at the Bible on Ludgate-hill, London.

FINIS.

the 4.
where
against
miles,
between
ft Can-
mon
stance
Bright
low on
p, you
tend to
ey nei-
against
nd Ch-
st Ch-
angle
to be
ou find
of the
ops to
in in
the de-
de and
ac top;
ommon
t: and
ge, and
or con-
ail.

me, &c.
ary, in
ed, and
new Bible
To be